No. MIIUS0054EAA

TOSHIBA

DICOM CONFORMANCE STATEMENT

FOR

DIAGNOSTIC ULTRASOUND SYSTEM

Xario 200

MODEL TUS-X200 V2.0

Xario 100

MODEL TUS-X100 V2.0

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1. CONFORMANCE STATEMENT OVERVIEW

Table 1-1 provides an overview of the network services supported by *Xario*™.

Table 1-1
NETWORK SERVICES

SOP Classes	User of Service (SCU)	Provider of Service (SCP)
Transfer		
Secondary Capture Image Storage	Yes	Yes
Ultrasound Image Storage	Yes	Yes
Ultrasound Multi-frame Image Storage	Yes	Yes
Enhanced SR Storage	Yes	Yes
Comprehensive SR Storage	Yes	Yes
CT Image Storage	No	Yes
MR Image Storage	No	Yes
Storage Commitment		
Storage Commitment Push Model	Yes	No
Query/Retrieve		
Study Root Q/R Information Model – Find	Yes	No
Study Root Q/R Information Model – Move	Yes	No
Workflow Management		
Modality Worklist Information Model – Find	Yes	No
Modality Performed Procedure Step	Yes	No
Print Management		
Basic Grayscale Print Management	Yes	No
Basic Color Print Management	Yes	No

Table 1-2 provides an overview of the Media Storage Application Profiles supported by *Xario*™.

Table 1-2
MEDIA SERVICES

Media Storage Application Profile	Write Files (FSC or FSU)	Read Files (FSR)
Compact Disk – Recordable		
General Purpose CD-R	Yes	Yes
DVD Plus Recordable		
General Purpose DVD	Yes	Yes
USB Media		
General Purpose USB Media	Yes	Yes

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3. INTRODUCTION

3.1 REVISION HISTORY

Document Version	Date of Issue	Author	Description
*	June 2013	TMSC	Support of V2.0
A	Feburuary 2014	TMSC	Added *Xario™ 100* to the title

3.2 AUDIENCE

This document is intended for hospital staff, health system integrators, software designers or implementers. It is assumed that the reader has a working understanding of DICOM.

3.3 REMARKS

DICOM, by itself, does not guarantee interoperability. However, the Conformance Statement facilitates a first-level validation for interoperability between different applications supporting the same DICOM functionality.

This Conformance Statement is not intended to replace validation with other DICOM equipment to ensure proper exchange of information intended.

The scope of this Conformance Statement is to facilitate communication with Toshiba Medical Systems and other vendors' Medical equipment. The Conformance Statement should be read and understood in conjunction with the DICOM Standard [DICOM]. However, by itself it is not guaranteed to ensure the desired interoperability and a successful interconnectivity.

The user should be aware of the following important issues:

- The comparison of different conformance statements is the first step towards assessing interconnectivity between Toshiba Medical Systems and non-Toshiba Medical Systems equipment.
- Test procedures should be defined to validate the desired level of connectivity.
- The DICOM standard will evolve to meet the users' future requirements. Toshiba Medical Systems is actively involved in developing the standard further and therefore reserves the right to make changes to its products or to discontinue its delivery.

3.4 DEFINITIONS, TERMS AND ABBREVIATIONS

Definitions, terms and abbreviations used in this document are defined within the different parts of the DICOM standard.

Abbreviations and terms are as follows:

AE	Application Entity
ASCE	Association Control Service Element
CD-R	Compact Disk Recordable
CM	Code Meaning (0008,0104)
CSD	Coding Scheme Designator (0008,0102)
CV	Code Value (0008,0100)
DIMSE	DICOM Message Service Element
DVD	A trademark of the DVD forum that is not an abbreviation
DVD+R	DVD Plus Recordable
FSC	File-Set Creator
FSR	File-Set Reader
FSU	File-Set Updater
IE	Information Entity
IOD	Information Object Definition
ISO	International Standard Organization
MPPS	Modality Performed Procedure Step
MSPS	Modality Scheduled Procedure Step
MWM	Modality Worklist Management
PDU	Protocol Data Unit
SCU	Service Class User (DICOM client)
SCP	Service Class Provider (DICOM server)
SOP	Service-Object Pair
UID	Unique Identifier
USB	Universal Serial Bus

3.5 REFERENCES

[DICOM] Digital Imaging and Communications in Medicine (DICOM), NEMA PS 3.1-3.18, 2008

4. NETWORKING

4.1 IMPLEMENTATION MODEL

4.1.1 Application Data Flow

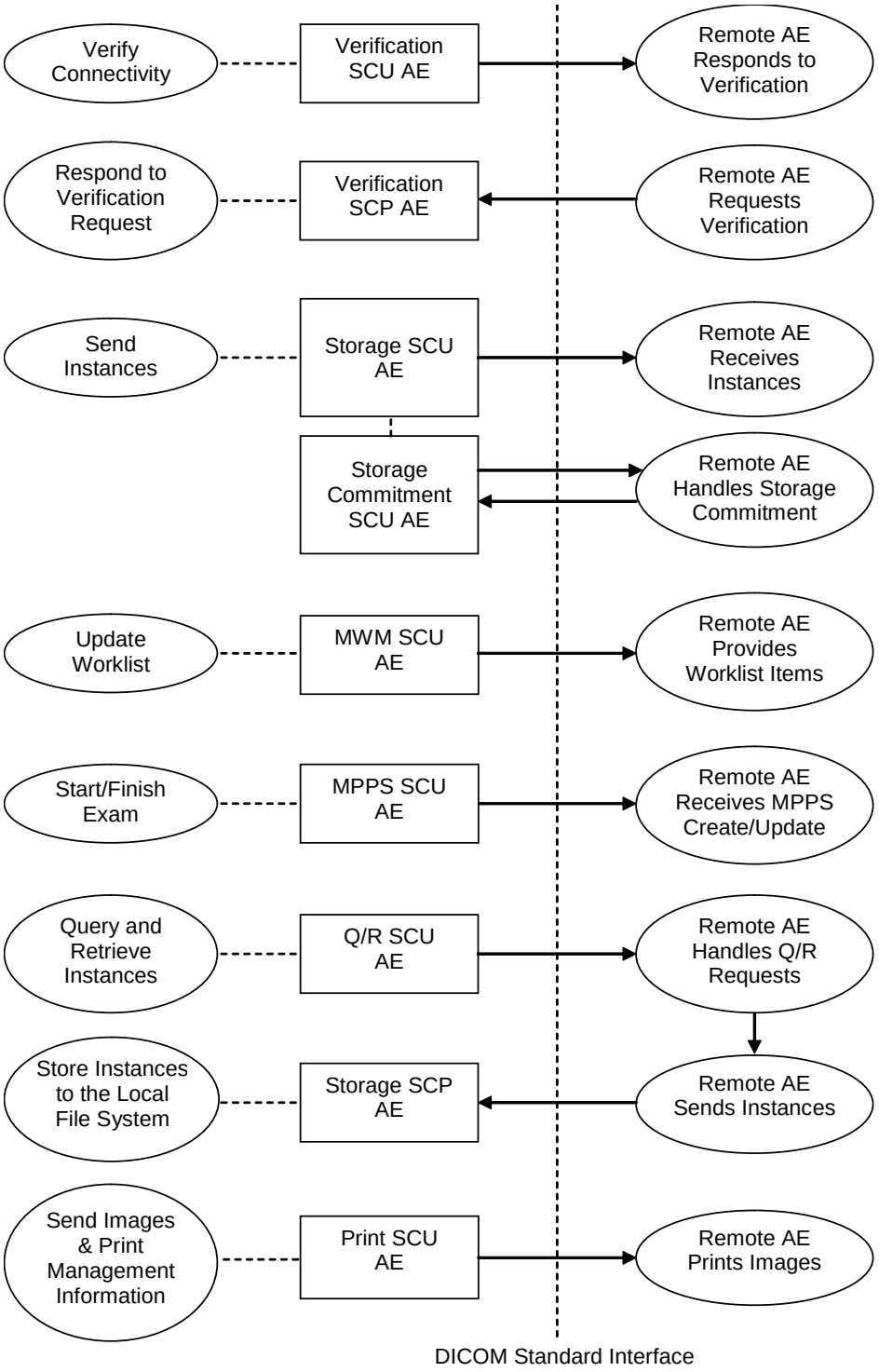


Figure 4.1-1
APPLICATION DATA FLOW DIAGRAM

— The Verification SCU AE issues a C-ECHO to verify a DICOM connection to a remote AE. It is associated with the local real-world activity “Verify Connectivity”. “Verify Connectivity” is performed via the Service Tool.

— The Verification SCP AE responds successfully to C-ECHO requests from known AE Titles. It is associated with the local real-world activity “Respond to Verification Request”.

— The Storage SCU AE sends instances to a remote AE. It is associated with the local real-world activity “Send Instances”. “Send Instances” is performed upon user request for specific instances selected. If the remote AE is configured as a Storage Commitment SCP AE, the Storage SCU AE will send a storage commitment request to the Storage Commitment SCU AE.

— Receiving the storage commitment request from the Storage SCU AE, the Storage Commitment SCU AE will request Storage Commitment and if a commitment is successfully obtained will record this information in the local database.

— The MWM SCU AE receives worklist information from a remote AE. It is associated with the local real-world activity “Update Worklist”. When the “Update Worklist” is performed the MWM SCU AE queries a remote AE for worklist items and provides the set of worklist items matching the query request. ”Update Worklist” is performed manually or automatically.

— The MPPS SCU AE sends MPPS information to a remote AE. It is associated with the local real-world activity “Acquire Instances”. When the “Acquire Instances” is performed the MPPS SCU AE creates and updates Modality Performed Procedure Step instances managed by a remote AE. Acquisition of instances will result in automated creation of an MPPS instance. Completion of the MPPS is performed as the result of an operator action.

— The Q/R SCU AE queries a remote AE for lists of studies and retrieves selected studies. It is associated with the local real-world activity “Query and Retrieve Instances”.

— The Storage SCP AE receives incoming instances. It is associated with the local real-world activity “Store Instances to the Local File System”. “Store Instances to the Local File System” stores the received instances to the local file system.

— The Print SCU AE prints images on a remote AE (Printer). It is associated with the local real-world activity “Send Images & Print Management Information”. “Send Images & Print Management Information” creates a print-job within the print queue containing one or more virtual film sheets composed from images selected by the user.

4.1.2 Functional Definition of AEs

4.1.2.1 Functional Definition of Verification SCU AE

The Verification SCU AE issues a C-ECHO to verify a DICOM connection to a remote AE. It is performed via the Service Tool.

4.1.2.2 Functional Definition of Verification SCP AE

The Verification SCP AE responds successfully to C-ECHO requests from known AE Titles.

4.1.2.3 Functional Definition of Storage SCU AE

The existence of a send-job queue entry with associated network destination will activate the Storage SCU AE. An association request is sent to the destination AE and upon successful negotiation of a Presentation Context the image transfer is started. If the image transfer fails, the Storage SCU AE will retry this send-job automatically. If the remote AE is configured as a Storage Commitment SCP AE, the Storage SCU AE will send a storage commitment request to the Storage Commitment SCU AE.

4.1.2.4 Functional Definition of Storage Commitment SCU AE

Receiving the storage commitment request from the Storage SCU AE, the Storage Commitment SCU AE will request Storage Commitment and if a commitment is successfully obtained will record this information in the local database.

4.1.2.5 Functional Definition of MWM SCU AE

The MWM SCU AE attempts to download a worklist from a remote node. If the MWM SCU AE establishes an association to a remote AE, it will transfer patient's information and worklist items via the open association. The results will be displayed in a separate list. The patient's information will be used for the patient registration.

4.1.2.6 Functional Definition of MPPS SCU AE

The MPPS SCU AE performs the creation of an MPPS Instance automatically when the user selects and starts a worklist item. Further updates on the MPPS data can be performed when the user completes the acquisition.

4.1.2.7 Functional Definition of Q/R SCU AE

The Q/R SCU AE is activated when the user selects a remote node to query and enters some key information, Patient's Name, Patient ID and/or Study Date. The user can select studies to be retrieved. The instances will be received at the Storage SCP AE.

4.1.2.8 Functional Definition of Storage SCP AE

The Storage SCP AE waits for another application to connect at the presentation address configured for its Application Entity Title. The Storage SCP AE will accept Associations with Presentation Contexts for SOP Classes of the Verification and Storage Service Classes. Any instances received on such Presentation Contexts will be stored to the local file system.

4.1.2.9 Functional Definition of Print SCU AE

The existence of a print-job in the print queue will activate the Print SCU AE. An association is established with the printer and the printer's status determined. If the printer is operating normally, the film sheets described within the print-job will be printed. If the printer is not operating normally, this print-job can be canceled or restarted by the user operations.

4.1.3 Sequencing of Real-World Activities

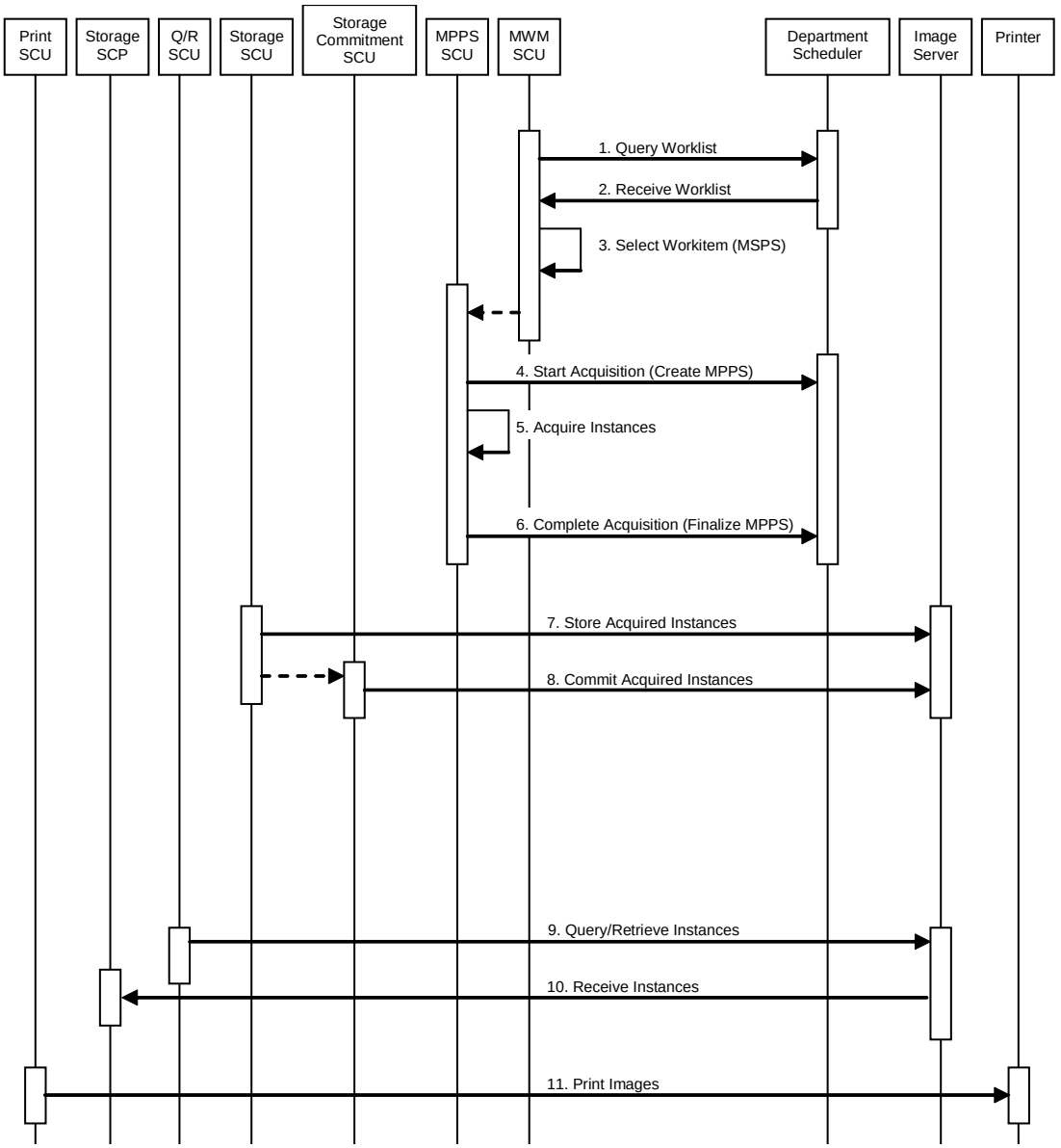


Figure 4.1-2
SEQUENCING CONSTRAINTS

Under typical scheduled workflow conditions the sequencing constraints illustrated in Figure 4.1-2 apply:

1. Query Worklist
2. Receive Worklist of Modality Scheduled Procedure Steps (MSPS)
3. Select Workitem (MSPS) from Worklist
4. Start Acquisition and Create MPPS
5. Acquire Instances
6. Complete Acquisition and Finalize MPPS
7. Store Acquired Instances
8. Commit Acquired Instances
9. Query/Retrieve Instances
10. Receive Instances
11. Print Images

Other workflow situations (e.g. unscheduled procedure steps) will have other sequencing constraints. Some activities may be omitted according to situations.

4.2 AE SPECIFICATIONS

4.2.1 Verification SCU AE Specification

4.2.1.1 SOP Classes

The Verification SCU AE provides Standard Conformance to the following SOP Classes:

Table 4.2-1
SOP CLASSES FOR THE VERIFICATION SCU AE

SOP Class Name	SOP Class UID	SCU	SCP
Verification	1.2.840.10008.1.1	Yes	No

4.2.1.2 Association Policies

4.2.1.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2-2
DICOM APPLICATION CONTEXT FOR THE VERIFICATION SCU AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.1.2.2 Number of Associations

The Verification SCU AE initiates one association at a time.

Table 4.2-3
NUMBER OF ASSOCIATIONS INITIATED FOR THE VERIFICATION SCU AE

Maximum number of simultaneous associations	1

4.2.1.2.3 Asynchronous Nature

The Verification SCU AE does not support asynchronous communication (multiple outstanding transactions over a single association).

Table 4.2-4
ASYNCHRONOUS NATURE FOR THE VERIFICATION SCU AE

Maximum number of outstanding asynchronous transactions	1

4.2.1.2.4 Implementation Identifying Information

The implementation information for the Verification SCU AE is:

Table 4.2-5
DICOM IMPLEMENTATION CLASS AND VERSION FOR THE VERIFICATION SCU AE

Implementation Class UID	1.2.392.200036.9116.6.18.1000.1
Implementation Version Name	TM_UL_DCM_V1.0

4.2.1.3 Association Initiation Policy

4.2.1.3.1 Activity – Verify Connectivity

4.2.1.3.1.1 Description and Sequencing of Activities

The Verification SCU AE attempts to initiate a new association in order to issue a verification request (C-ECHO).

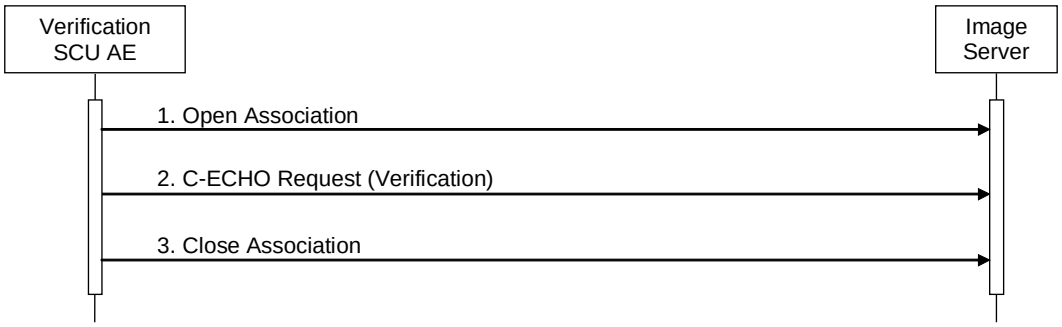


Figure 4.2-1
SEQUENCING OF ACTIVITY – VERIFY CONNECTIVITY

A possible sequence of interactions between the Verification SCU AE and an Image Server (e.g. a storage or archive device supporting the Verification SOP Classes as an SCP) is illustrated in the figure above:

1. The Verification SCU AE opens an association with the Image Server.
2. The Verification SCU AE issues a verification request (C-ECHO) and the Image Server replies with a C-ECHO response (status success).
3. The Verification SCU AE closes the association with the Image Server.

4.2.1.3.1.2 Proposed Presentation Contexts

The Verification SCU AE will propose the Presentation Contexts shown in the following table:

Table 4.2-6
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY VERIFY CONNECTIVITY

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Verification	1.2.840.10008.1.1	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

4.2.1.3.1.3 SOP Specific Conformance for Verification SOP Class

The Verification SCU AE provides standard conformance to the Verification Service Class as an SCU.

The behavior of Verification SCU AE when encountering status codes in a C-ECHO response is summarized in the table below:

Table 4.2-7
VERIFICATION RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The Verification SCU AE judges the remote AE is present and active on the network.

The behavior of Verification SCU AE during communication failure is summarized in the table below:

Table 4.2-8
VERIFICATION COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	The association is aborted and the failure reason is logged and reported to the user.
Association aborted by the SCP or network layers	The failure reason is logged and reported to the user.

4.2.2 Verification SCP AE Specification

4.2.2.1 SOP Classes

The Verification SCP AE provides Standard Conformance to the following SOP Classes:

Table 4.2-9
SOP CLASSES FOR THE VERIFICATION SCP AE

SOP Class Name	SOP Class UID	SCU	SCP
Verification	1.2.840.10008.1.1	No	Yes

4.2.2.2 Association Policies

4.2.2.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2-10
DICOM APPLICATION CONTEXT FOR THE VERIFICATION SCP AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.2.2.2 Number of Associations

Table 4.2-11
NUMBER OF ASSOCIATIONS ACCEPTED FOR THE VERIFICATION SCP AE

Maximum number of simultaneous associations	Unlimited

4.2.2.2.3 Asynchronous Nature

The Verification SCP AE does not support asynchronous communication (multiple outstanding transactions over a single association).

Table 4.2-12
ASYNCHRONOUS NATURE FOR THE VERIFICATION SCP AE

Maximum number of outstanding asynchronous transactions	1

4.2.2.2.4 Implementation Identifying Information

The implementation information for the Verification SCP AE is:

Table 4.2-13
DICOM IMPLEMENTATION CLASS AND VERSION FOR THE VERIFICATION SCP AE

Implementation Class UID	1.2.392.200036.9116.6.18.1000.1
Implementation Version Name	TM_UL_DCM_V1.0

4.2.2.3 Association Initiation Policy

The Verification SCP AE does not initiate associations.

4.2.2.4 Association Acceptance Policy

4.2.2.4.1 Activity – Respond to Verification Request

4.2.2.4.1.1 Description and Sequencing of Activities

When the Verification SCP AE accepts an association, it will respond to a verification request (C-ECHO).

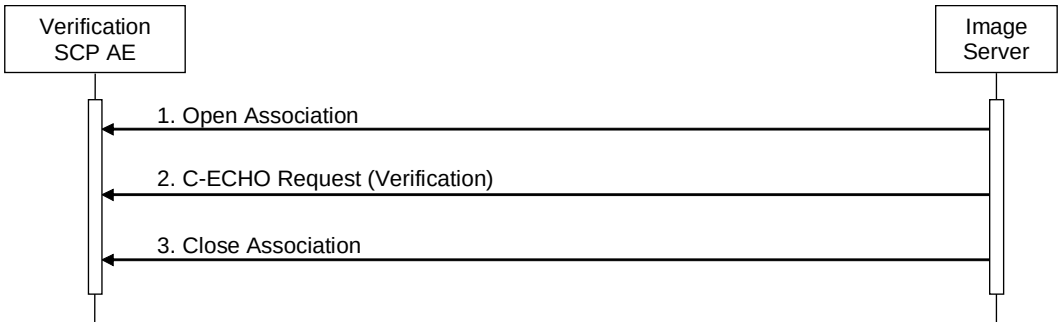


Figure 4.2-2
SEQUENCING OF ACTIVITY – RESPOND TO VERIFICATION REQUEST

A possible sequence of interactions between the Verification SCP AE and an Image Server (e.g. a storage or archive device supporting the Verification SOP Classes as an SCU) is illustrated in the figure above:

1. The Image Server opens an association with the Verification SCP AE.
2. The Image Server issues a verification request (C-ECHO) and the Verification SCP AE replies with a C-ECHO response (status success).
3. The Image Server closes the association with the Verification SCP AE.

The Verification SCP AE may reject association attempts as shown in the table below. The Result, Source and Reason/Diag columns represent the values returned in the appropriate fields of an ASSOCIATE-RJ PDU (see PS 3.8, Section 9.3.4). The contents of the Source column is abbreviated to save space and the meaning of the abbreviations are:

Table 4.2-14
ASSOCIATION REJECTION REASONS

Result	Source	Reason/Diag	Explanation
1 – rejected-permanent	DICOM UL service-user	3 – calling-AE-title-not-recognized	The association request contained an unrecognized calling AE Title. An association request with the same parameters will not succeed at a later time unless configuration changes are made. This rejection reason normally occurs when the association acceptor has not been configured to recognize the AE Title of the association initiator.
1 – rejected-permanent	DICOM UL service-provider (ASCE related function)	1 – no-reason-given	The association request could not be parsed. An association request with the same format will not succeed at a later time.

4.2.2.4.1.2 Accepted Presentation Contexts

The default behavior of the Verification SCP AE supports the Implicit VR Little Endian and Explicit VR Little Endian transfer syntaxes. If the both transfer syntaxes are proposed per presentation context then the Verification SCP AE will select Explicit VR Little Endian transfer syntax.

Table 4.2-15
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY RESPOND TO VERIFICATION REQUEST

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Verification	1.2.840.10008.1.1	Implicit VR Little Endian	1.2.840.10008.1.2	SCP	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

4.2.2.4.1.3 SOP Specific Conformance for Verification SOP Class

The Verification SCP AE provides standard conformance to the Verification Service Class as an SCP.

4.2.3 Storage SCU AE Specification

4.2.3.1 SOP Classes

The Storage SCU AE provides Standard Conformance to the following SOP Classes:

Table 4.2-16
SOP CLASSES FOR THE STORAGE SCU AE

SOP Class Name	SOP Class UID	SCU	SCP
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Yes	No
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1		
Ultrasound Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1		
Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88.22		
Comprehensive SR Storage	1.2.840.10008.5.1.4.1.1.88.33		

4.2.3.2 Association Policies

4.2.3.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2-17
DICOM APPLICATION CONTEXT FOR THE STORAGE SCU AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.3.2.2 Number of Associations

The Storage SCU AE can initiate up to ten associations at a time for each destination to which a transfer request is being processed in the active job queue list. Up to ten jobs, that instances will be sent to the different remote hosts, will be active at a time, the other remains pending until the active job is completed or failed.

Table 4.2-18
NUMBER OF ASSOCIATIONS INITIATED FOR THE STORAGE SCU AE

Maximum number of simultaneous associations	10

4.2.3.2.3 Asynchronous Nature

The Storage SCU AE does not support asynchronous communication (multiple outstanding transactions over a single association).

Table 4.2-19
ASYNCHRONOUS NATURE FOR THE STORAGE SCU AE

Maximum number of outstanding asynchronous transactions	1

4.2.3.2.4 Implementation Identifying Information

The implementation information for the Storage SCU AE is:

Table 4.2-20
DICOM IMPLEMENTATION CLASS AND VERSION FOR THE STORAGE SCU AE

Implementation Class UID	1.2.392.200036.9116.6.18.1000.1
Implementation Version Name	TM_UL_DCM_V1.0

4.2.3.3 Association Initiation Policy

4.2.3.3.1 Activity – Send Instances

4.2.3.3.1.1 Description and Sequencing of Activities

The Storage SCU AE attempts to initiate a new association in order to issue a storage request (C-STORE). If the job contains multiple instances then multiple C-STORE requests will be issued over the same association. If the instance transfer fails, the Storage SCU AE will retry this send-job automatically.

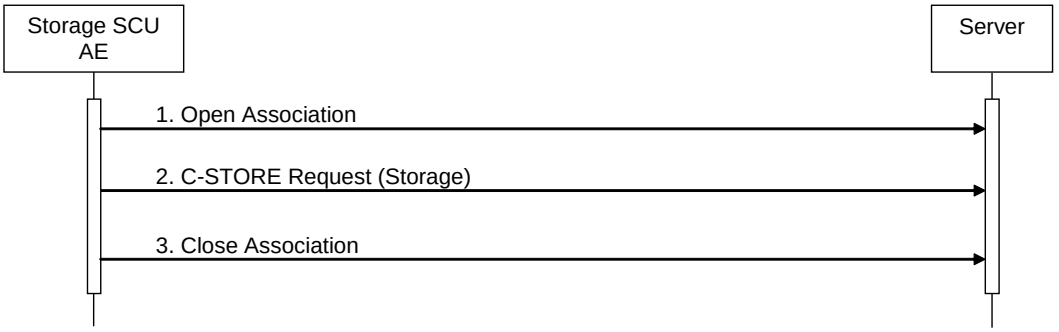


Figure 4.2-3
SEQUENCING OF ACTIVITY – SEND INSTANCES

A possible sequence of interactions between the Storage SCU AE and a Server (e.g. a storage or archive device supporting the Storage SOP Classes as an SCP) is illustrated in the Figure above:

1. The Storage SCU AE opens an association with the Server.
2. Acquired instances are transmitted to the Server using a storage request (C-STORE) and the Server replies with a C-STORE response (status success).
3. The Storage SCU AE closes the association with the Server.

4.2.3.3.1.2 Proposed Presentation Contexts

The Storage SCU AE will propose the Presentation Contexts in the following table that shows a Presentation Context Item a row:

Table 4.2-21
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY SEND INSTANCES

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
SC Image Storage	1.2.840.10008.5.1.4.1.1.7	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	None
SC Image Storage	1.2.840.10008.5.1.4.1.1.7	JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50	SCU	None
SC Image Storage	1.2.840.10008.5.1.4.1.1.7	JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70	SCU	None
SC Image Storage	1.2.840.10008.5.1.4.1.1.7	RLE Lossless	1.2.840.10008.1.2.5	SCU	None
US Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	None
US Image Storage	1.2.840.10008.5.1.4.1.1.6.1	JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50	SCU	None
US Image Storage	1.2.840.10008.5.1.4.1.1.6.1	JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70	SCU	None
US Image Storage	1.2.840.10008.5.1.4.1.1.6.1	RLE Lossless	1.2.840.10008.1.2.5	SCU	None
US Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	None
US Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50	SCU	None
US Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70	SCU	None
US Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	RLE Lossless	1.2.840.10008.1.2.5	SCU	None
Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88.22	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	None
Comprehensive SR Storage	1.2.840.10008.5.1.4.1.1.88.33	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	None

4.2.3.3.1.3 SOP Specific Conformance for Storage SOP Classes

The Storage SCU AE provides standard conformance to the Storage Service Class as an SCU.

The behavior of Storage SCU AE when encountering status codes in a C-STORE response is summarized in the table below:

Table 4.2-22
STORAGE C-STORE RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The SCP has successfully stored the SOP Instance. If all SOP Instances in a send job have status success then the job is marked as complete.
*	*	Any other status code	The association is aborted and the send job is marked as failed. The status meaning is logged and the job failure is reported to the user via the job control application.

The behavior of Storage SCU AE during communication failure is summarized in the table below:

Table 4.2-23
STORAGE COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	The association is aborted and the send job is marked as failed. The reason is logged and the job failure is reported to the user via the job control application.
Association aborted by the SCP or network layers	The send job is marked as failed. The reason is logged and the job failure is reported to the user via the job control application.

If the instance transfer fails, the Storage SCU AE will retry this send-job automatically.

The contents of Storage SOP Instances created by the Storage SCU AE conform to the IOD definitions and are described in section 8.1.

4.2.4 Storage Commitment SCU AE Specification

4.2.4.1 SOP Classes

The Storage Commitment SCU AE provides Standard Conformance to the following SOP Classes:

Table 4.2-24
SOP CLASSES FOR THE STORAGE COMMITMENT SCU AE

SOP Class Name	SOP Class UID	SCU	SCP
Storage Commitment Push Model	1.2.840.10008.1.20.1	Yes	No

4.2.4.2 Association Policies

4.2.4.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2-25
DICOM APPLICATION CONTEXT FOR THE STORAGE COMMITMENT SCU AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.4.2.2 Number of Associations

The Storage Commitment SCU AE can initiate up to ten associations at a time.

Table 4.2-26
NUMBER OF ASSOCIATIONS INITIATED FOR THE STORAGE COMMITMENT SCU AE

Maximum number of simultaneous associations	10

The Storage Commitment SCU AE accepts associations to receive N-EVENT-REPORT notifications for the Storage Commitment Push Model SOP Class.

Table 4.2-27
NUMBER OF ASSOCIATIONS ACCEPTED FOR THE STORAGE COMMITMENT SCU AE

Maximum number of simultaneous associations	10

4.2.4.2.3 Asynchronous Nature

The Storage Commitment SCU AE does not support asynchronous communication (multiple outstanding transactions over a single association).

Table 4.2-28
ASYNCHRONOUS NATURE FOR THE STORAGE COMMITMENT SCU AE

Maximum number of outstanding asynchronous transactions	1

4.2.4.2.4 Implementation Identifying Information

The implementation information for the Storage Commitment SCU AE is:

Table 4.2-29
DICOM IMPLEMENTATION CLASS AND VERSION FOR THE STORAGE COMMITMENT SCU AE

Implementation Class UID	1.2.392.200036.9116.6.18.1000.1
Implementation Version Name	TM_UL_DCM_V1.0

4.2.4.3 Association Initiation Policy

4.2.4.3.1 Activity – Commit Sent Instances

4.2.4.3.1.1 Description and Sequencing of Activities

If the remote AE is configured as a Storage Commitment SCP AE, the Storage Commitment SCU AE will, after all instances have been sent, transmit a single storage commitment request (N-ACTION). Upon receiving the N-ACTION response the Storage Commitment SCU AE will release the association. The notification of storage commitment (N-EVENT-REPORT) will be received over a separate association.

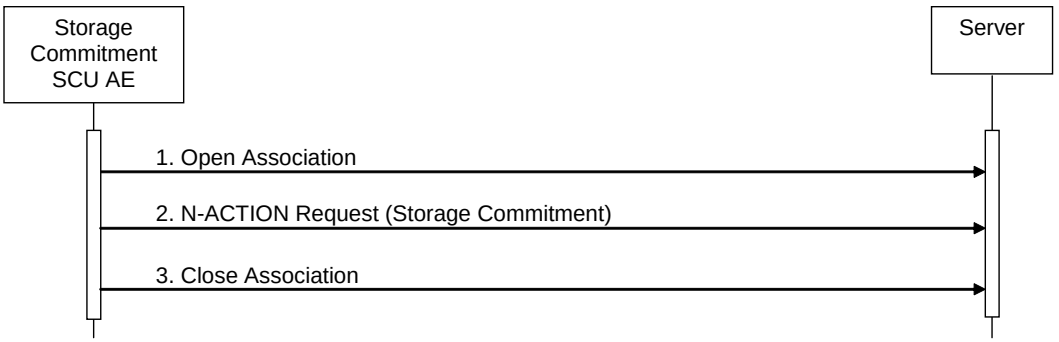


Figure 4.2-4
SEQUENCING OF ACTIVITY – COMMIT SENT INSTANCES

A possible sequence of interactions between the Storage Commitment SCU AE and a Server (e.g. a storage or archive device supporting the Storage Commitment SOP Classes as an SCP) is illustrated in the Figure above:

1. The Storage Commitment SCU AE opens an association with the Server.
2. A storage commitment request (N-ACTION) is transmitted to the Server to obtain storage commitment of previously transmitted instances. The Server replies with an N-ACTION response indicating the request has been received and is being processed.
3. The Storage Commitment SCU AE closes the association with the Server.

Note: The N-EVENT-REPORT will be sent over a separate association initiated by the Server. (see Section 4.2.4.4.1)

4.2.4.3.1.2 Proposed Presentation Contexts

The Storage Commitment SCU AE will propose the Presentation Contexts shown in the following table:

Table 4.2-30
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY COMMIT SENT INSTANCES

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Storage Commitment Push Model	1.2.840.10008.1.20.1	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

A Presentation Context for the Storage Commitment Push Model will only be proposed if the remote AE is configured as a Storage Commitment SCP AE.

4.2.4.3.1.3 SOP Specific Conformance for Storage Commitment SOP Class

4.2.4.3.1.3.1 Storage Commitment Operations (N-ACTION)

The Storage Commitment SCU AE provides standard conformance to the Storage Commitment Service Class as an SCU.

The Storage Commitment SCU AE will request storage commitment for instances of the Storage SOP Classes if the remote AE is configured as a Storage Commitment SCP AE and a presentation context for the Storage Commitment Push Model has been accepted.

The behavior of Storage SCU Commitment AE when encountering status codes in an N-ACTION response is summarized in the table below:

Table 4.2-31
STORAGE COMMITMENT N-ACTION RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The request for storage commitment is considered successfully sent. A timer is started which will expire if no N-EVENT-REPORT for the Transaction UID is received within a configurable timeout period.
*	*	Any other status code	The association is aborted and the request for storage commitment is marked as failed.

The behavior of Storage Commitment AE during communication failure is summarized in the table below:

Table 4.2-32
STORAGE COMMITMENT COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	The association is aborted and the send job is marked as failed. The reason is logged and the job failure is reported to the user via the job control application.
Association aborted by the SCP or network layers	The send job is marked as failed. The reason is logged and the job failure is reported to the user via the job control application.

4.2.4.4 Association Acceptance Policy

4.2.4.4.1 Activity – Receive Storage Commitment Response

4.2.4.4.1.1 Description and Sequencing of Activities

The Storage Commitment SCU AE will accept associations in order to receive responses to a storage commitment request.

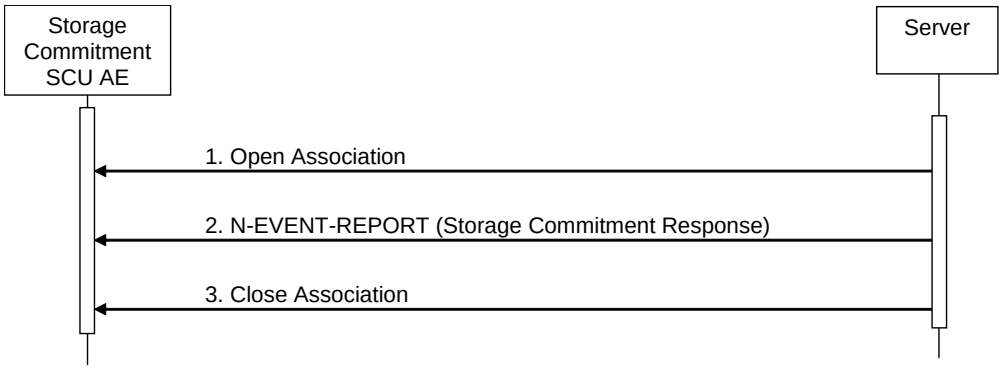


Figure 4.2-5
SEQUENCING OF ACTIVITY - RECEIVE STORAGE COMMITMENT RESPONSE

A possible sequence of interactions between the Storage Commitment SCU AE and a Server (e.g. a storage or archive device supporting Storage Commitment SOP Classes as an SCP) is illustrated in the Figure above:

1. The Server opens an association with the Storage Commitment SCU AE.
2. The Server sends an N-EVENT-REPORT request notifying the Storage SCU AE of the status of a previous storage commitment request. The Storage SCU AE replies with an N-EVENT-REPORT response confirming receipt.
3. The Server closes the association with the Storage Commitment SCU AE.

The Storage Commitment SCU AE may reject association attempts as shown in the Table 4.2-14.

4.2.4.4.1.2 Accepted Presentation Contexts

The Storage Commitment SCU AE will accept Presentation Contexts shown in the table below.

Table 4.2-33
ACCEPTABLE PRESENTATION CONTEXTS FOR
ACTIVITY RECEIVE STORAGE COMMITMENT RESPONSE

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Storage Commitment Push Model	1.2.840.10008.1.20.1	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

4.2.4.4.1.3 SOP Specific Conformance for Storage Commitment SOP Class

4.2.4.4.1.3.1 Storage Commitment Notifications (N-EVENT-REPORT)

The Storage Commitment SCU AE provides standard conformance to the Storage Commitment Service Class as an SCU.

The behavior of Storage Commitment SCU AE when receiving Event Types within the N-EVENT-REPORT is summarized in the table below.

Table 4.2-34
STORAGE COMMITMENT N-EVENT-REPORT BEHAVIOUR

Event Type Name	Event Type ID	Behavior
Storage Commitment Request Successful	1	The Storage Commitment SCU AE permits the operator(s) to delete the Referenced SOP Instances under Referenced SOP Sequence (0018,1199), or deletes the Instances from the local database automatically.
Storage Commitment Request Complete – Failures Exist	2	The Storage Commitment SCU AE requests the Storage SCU AE to send the Referenced SOP Instances under Failed SOP Sequence (0018,1198).

The reasons for returning specific status codes in a N-EVENT-REPORT response are summarized in the table below.

Table 4.2-35
STORAGE COMMITMENT N-EVENT-REPORT RESPONSE STATUS REASONS

Service Status	Further Meaning	Status Code	Reasons
Success	Success	0000	The storage commitment result has been successfully received.
Failure	Processing Failure	0110H	An internal error occurred during processing of the N-EVENT-REPORT. A short description of the error will be returned in Error Comment (0000,0902).

4.2.5 MWM SCU AE Specification

4.2.5.1 SOP Classes

The MWM SCU AE provides Standard Conformance to the following SOP Classes:

Table 4.2-36
SOP CLASSES FOR THE MWM SCU AE

SOP Class Name	SOP Class UID	SCU	SCP
Modality Worklist Information Model – FIND	1.2.840.10008.5.1.4.31	Yes	No

4.2.5.2 Association Policies

4.2.5.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2-37
DICOM APPLICATION CONTEXT FOR THE MWM SCU AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.5.2.2 Number of Associations

The MWM SCU AE initiates one association at a time for a worklist request.

Table 4.2-38
NUMBER OF ASSOCIATIONS INITIATED FOR THE MWM SCU AE

Maximum number of simultaneous associations	1

4.2.5.2.3 Asynchronous Nature

The MWM SCU AE does not support asynchronous communication (multiple outstanding transactions over a single association).

Table 4.2-39
ASYNCHRONOUS NATURE FOR THE MWM SCU AE

Maximum number of outstanding asynchronous transactions	1

4.2.5.2.4 Implementation Identifying Information

The implementation information for this Application Entity is:

Table 4.2-40
DICOM IMPLEMENTATION CLASS AND VERSION FOR THE MWM SCU AE

Implementation Class UID	1.2.392.200036.9116.6.18.1000.1
Implementation Version Name	TM_UL_DCM_V1.0

4.2.5.3 Association Initiation Policy

4.2.5.3.1 Activity – Update Worklist

4.2.5.3.1.1 Description and Sequencing of Activities

The request for an “Update Worklist” is initiated by user interaction, i.e. pressing the buttons “Get Worklist” or automatically at the time of patient registration.

Upon initiation of the request, the MWM SCU AE will build an Identifier for the C-FIND request, will initiate an association to send the request and will wait for worklist responses. After retrieval of all responses, the MWM SCU AE will access the local database to add or update patient demographic data. The results will be displayed in a separate list.

The MWM SCU AE will initiate an association in order to issue a C-FIND request according to the Modality Worklist Information Model.

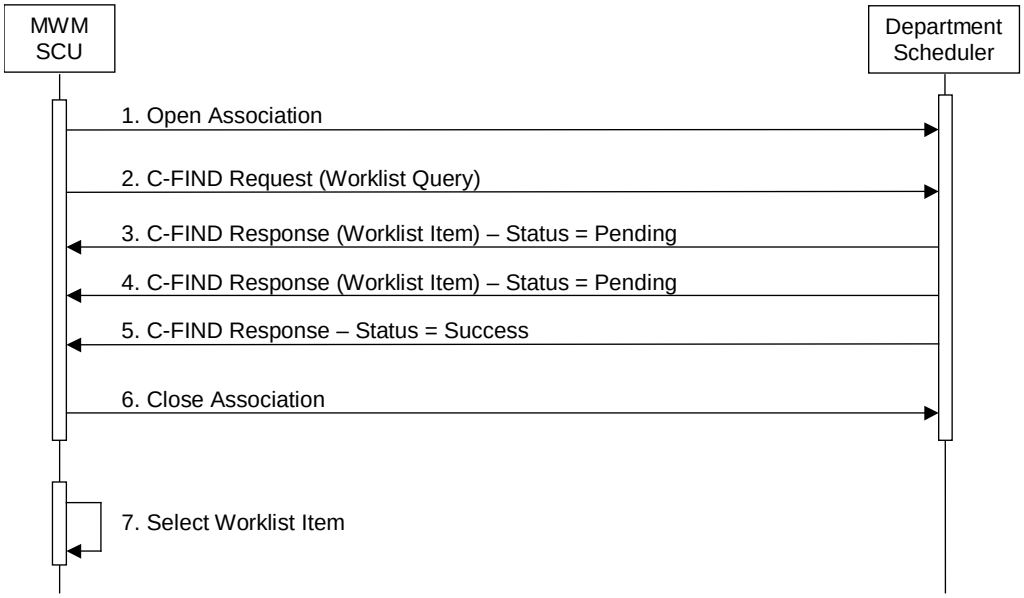


Figure 4.2-6
SEQUENCING OF ACTIVITY – UPDATE WORKLIST

A possible sequence of interactions between the MWM SCU AE and a Department Scheduler (e.g. a device such as a RIS or HIS which supports the Modality Worklist SOP Class as an SCP) is illustrated in the Figure above:

1. The MWM SCU AE opens an association with the Department Scheduler
2. The MWM SCU AE sends a C-FIND request to the Department Scheduler containing the Worklist Query attributes.
3. The Department Scheduler returns a C-FIND response containing the requested attributes of the first matching worklist item.
4. The Department Scheduler returns another C-FIND response containing the requested attributes of the second matching worklist item.
5. The Department Scheduler returns another C-FIND response with status Success indicating that no further matching worklist items exist. This example assumes that only 2 worklist items match the Worklist Query.
6. The MWM SCU AE closes the association with the Department Scheduler.
7. The user selects a worklist item from the Worklist and prepares to acquire new instances.

4.2.5.3.1.2 Proposed Presentation Contexts

The MWM SCU AE will propose Presentation Contexts shown in the following table:

Table 4.2-41
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY UPDATE WORKLIST

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Modality Worklist Information Model – FIND	1.2.840.10008.5.1.4.31	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

4.2.5.3.1.3 SOP Specific Conformance for Modality Worklist SOP Class

The MWM SCU AE provides standard conformance to the Modality Worklist SOP Class as an SCU.

The behavior of the MWM SCU when encountering status codes in a Modality Worklist C-FIND response is summarized in the table below.

Table 4.2-42
MODALITY WORKLIST C-FIND RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Matching is complete	0000	The SCP has completed the matches. Worklist items are available for display or further processing.
*	*	Any other status code	The association is aborted using A-ABORT and the status meaning is logged.

The behavior of the MWM SCU AE during communication failure is summarized in the table below.

Table 4.2-43
MODALITY WORKLIST COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	The association is aborted using A-ABORT and the reason is logged.
Unsupported character sets	
Association aborted by the SCP or network layers	The reason is logged.

Acquired instances will always use the Study Instance UID specified for the Scheduled Procedure Step (if available). If an acquisition is unscheduled, a Study Instance UID will be generated locally.

The table below provides a description of the MWM SCU AE Worklist Request Identifier and specifies the attributes that are copied into the instances. Unexpected attributes returned in a C-FIND response are ignored.

Table 4.2-44
WORKLIST REQUEST IDENTIFIER

Module Name Attribute Name	Tag	VR	M	R	D	IOD
SOP Common						
Specific Character Set	(0008,0005)	CS				x
Scheduled Procedure Step						
Scheduled Procedure Step Sequence	(0040,0100)	SQ				x
>Modality	(0008,0060)	CS	S	x	x	
>Requested Contrast Agent	(0032,1070)	LO		x		x
>Scheduled Station AE Title	(0040,0001)	AE	S	x	x	x
>Scheduled Procedure Step Start Date	(0040,0002)	DA	S/R	x	x	x
>Scheduled Procedure Step Start Time	(0040,0003)	TM	R	x	x	x
>Scheduled Procedure Step End Date	(0040,0004)	DA		x		
>Scheduled Procedure Step End Time	(0040,0005)	TM		x		
>Scheduled Performing Physician's Name	(0040,0006)	PN		x	x	x
>Scheduled Procedure Step Description	(0040,0007)	LO		x	x	x
>Scheduled Protocol Code Sequence	(0040,0008)	SQ		x		
>>Code Value	(0008,0100)	SH		x		
>>Coding Scheme Designator	(0008,0102)	SH		x		
>>Coding Scheme Version	(0008,0103)	SH		x		
>>Code Meaning	(0008,0104)	LO		x		
>Scheduled Procedure Step ID	(0040,0009)	SH		x	x	x
>Scheduled Station Name	(0040,0010)	SH		x		
>Scheduled Procedure Step Location	(0040,0011)	SH		x		
>Pre-Medication	(0040,0012)	LO		x		
>Scheduled Procedure Step Status	(0040,0020)	CS		x		
Comments on the Scheduled Procedure Step	(0040,0400)	LT		x		
Requested Procedure						
Referenced Study Sequence	(0008,1110)	SQ				x
>Referenced SOP Class UID	(0008,1150)	UI		x		x

>Referenced SOP Instance UID	(0008,1155)	UI		x		x
Study Instance UID	(0020,000D)	UI		x		x
Requested Procedure Description	(0032,1060)	LO		x	x	x
Requested Procedure Code Sequence	(0032,1064)	SQ				
>Code Value	(0008,0100)	SH		x		x
>Coding Scheme Designator	(0008,0102)	SH		x		x
>Coding Scheme Version	(0008,0103)	SH		x		x
>Code Meaning	(0008,0104)	LO		x		x
Requested Procedure ID	(0040,1001)	SH	S	x	x	x
Reason for the Requested Procedure	(0040,1002)	LO		x		
Requested Procedure Priority	(0040,1003)	SH		x		
Patient Transport Arrangements	(0040,1004)	LO		x		
Requested Procedure Location	(0040,1005)	LO		x		
Confidentiality Code	(0040,1008)	LO		x		
Reporting Priority	(0040,1009)	SH		x		
Names of Intended Recipients of Results	(0040,1010)	PN		x		
Requested Procedure Comments	(0040,1400)	LT		x		
Imaging Service Request						
Accession Number	(0008,0050)	SH	S	x	x	x
Referring Physician’s Name	(0008,0090)	PN		x	x	x
Requesting Physician	(0032,1032)	PN		x	x	x
Requesting Service	(0032,1033)	LO		x		x
Reason for the Imagng Service Request (Retired)	(0040,2001)	LO		x		
Issue Date of Imaging Service Request	(0040,2004)	DA		x		
Issue Time of Imaging Service Request	(0040,2005)	TM		x		
Order Entered By	(0040,2008)	PN		x		
Order Enterer's Location	(0040,2009)	SH		x		
Order Callback Phone Number	(0040,2010)	SH		x		
Placer Order Number/Imaging Service Request	(0040,2016)	LO		x		
Filler Order Number/Imaging Service Request	(0040,2017)	LO		x		
Imaging Service Request Comments	(0040,2400)	LT		x		
Visit Identification						

Institution Name	(0008,0080)	LO		x		x
Institution Address	(0008,0081)	ST		x		x
Institution Code Sequence	(0008,0082)	SQ		x		
>Code Value	(0008,0100)	SH		x		
>Coding Scheme Designator	(0008,0102)	SH		x		
>Coding Scheme Version	(0008,0103)	SH		x		
>Code Meaning	(0008,0104)	LO		x		
Admission ID	(0038,0010)	LO		x		
Issuer of Admission ID	(0038,0011)	LO				
Visit Status						
Visit Status ID	(0038,0008)	CS		x		
Current Patient Location	(0038,0300)	LO		x		
Patient’s Institution Residence	(0038,0400)	LO		x	x	
Visit Comments	(0038,4000)	LT		x		
Visit Admisssion						
Referring Physician's Address	(0008,0092)	ST		x		
Referring Physician's Telephone Numbers	(0008,0094)	SH		x		
Admitting Diagnoses Description	(0008,1080)	LO		x		
Admitting Diagnosis Code Sequence	(0008,1084)	SQ		x		
>Code Value	(0008,0100)	SH		x		
>Coding Scheme Designator	(0008,0102)	SH		x		
>Coding Scheme Version	(0008,0103)	SH		x		
>Code Meaning	(0008,0104)	LO		x		
Route of Admissions	(0038,0016)	LO		x		
Admitting date	(0038,0020)	DA		x		
Admitting Time	(0038,0021)	TM		x		
Visit Relationship						
Referenced Patient Sequence	(0008,1120)	SQ				
>Referenced SOP Class UID	(0008,1150)	UI		x		
>Referenced SOP Instance UID	(0008,1155)	UI		x		
Patient Identification						
Patient’s Name	(0010,0010)	PN	W	x	x	x

Patient ID	(0010,0020)	LO	S	x	x	x
Issuer of Patient ID	(0010,0021)	LO		x		
Other Patient Ids	(0010,1000)	LO		x		
Other Patient Names	(0010,1001)	PN		x		x
Patient's Birth Name	(0010,1005)	PN		x		
Patient's Mother's Birth Name	(0010,1060)	PN		x		
Medical Record Locator	(0010,1090)	LO		x		
Patient Demographic						
Patient’s Birth Date	(0010,0030)	DA		x	x	x
Patient’s Birth Time	(0010,0032)	TM		x		
Patient’s Sex	(0010,0040)	CS		x	x	x
Patient’s Insurance Plan Code Sequence	(0010,0050)	SQ		x		
Patient's Age	(0010,1010)	AS		x	x	x
Patient’s Size	(0010,1020)	DS		x	x	x
Patient’s Weight	(0010,1030)	DS		x	x	x
Patient's Address	(0010,1040)	LO		x		
Military Rank	(0010,1080)	LO		x		
Branch of Service	(0010,1081)	LO		x		
Country of Residence	(0010,2150)	LO		x		
Region of Residence	(0010,2152)	LO		x		
Patient's Telephone Numbers	(0010,2154)	SH		x		
Ethnic Group	(0010,2160)	SH		x		
Occupation	(0010,2180)	SH		x		
Patient's Religious Preference	(0010,21F0)	LO		x		
Patient Comments	(0010,4000)	LT		x	x	x
Confidentiality constraint on patient data	(0040,3001)	LO		x		x
Patient Medical						
Medical Alerts	(0010,2000)	LO		x		x
Contrast Allergies	(0010,2110)	LO		x		x
Smoking Status	(0010,21A0)	CS		x		
Additional Patient History	(0010,21B0)	LT		x		
Pregnancy Status	(0010,21C0)	US		x		x

Last Menstrual Date	(0010,21D0)	DA		x		
Special Needs	(0038,0050)	LO		x		x
Patient State	(0038,0500)	LO		x		x
Other Attributes						
Study Description	(0008,1030)	LO		x	x	x

The above table should be read as follows:

Module Name: The name of the associated module for supported worklist attributes.

Attribute Name: Attributes supported to build the MWM SCU AE Worklist Request Identifier.

Tag: DICOM tag for this attribute.

VR: DICOM VR for this attribute.

M: Matching keys for (automatic) Worklist Update.
S: Single Value Matching
R: Range Matching
W: Wild Card Matching

R: Return keys. An "x" will indicate that the MWM SCU AE will supply this attribute as Return Key with zero length for Universal Matching. This setting can be configured using the service tool.

D: Displayed keys. An “x” indicates that this worklist attribute is displayed to the user during a patient registration. For example, Patient Name will be displayed when registering the patient prior to an examination.

IOD: An "x" indicates that this worklist attribute is included into all Object Instances created during performance of the related Procedure Step.

Notes: Specific Character Set (0008,0005) will be created if an extended or replacement character set is used in the matching keys.

Patient’s Institution Residence (0038,0400) will be displayed as *In Patient* or *Out Patient* when matching the following string: Inpatient or Outpatient.

In the default setting, Study Description (0008,1030) will be displayed at *Exam Type* when matching the following exam types: Abdomen, Carotid, Thyroid, Breast, OB, GYN, Endo-Vaginal, Fetal Heart, Adult Heart, Pediatric Heart, Coronary, TCD, Neo-Head, Neo-General, Neo-Hip, PV Venous, PV Arterial, Digits, MSK, Prostate, Kidney, Testes, OTHER or M-TEE. They can be also configured to correspond to user-defined terms, and it is selectable where to set those terms: Study Description (0008,1030), Scheduled Procedure Step Description (0040,0007), or Requested Procedure Description (0032,1060).

4.2.5.4 Association Acceptance Policy

The MWM SCU AE does not accept associations.

4.2.6 MPPS SCU AE Specification

4.2.6.1 SOP Classes

The MPPS SCU AE provides Standard Conformance to the following SOP Classes:

Table 4.2-45
SOP CLASSES FOR THE MPPS SCU AE

SOP Class Name	SOP Class UID	SCU	SCP
Modality Performed Procedure Step	1.2.840.10008.3.1.2.3.3	Yes	No

4.2.6.2 Association Policies

4.2.6.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2-46
DICOM APPLICATION CONTEXT FOR THE MPPS SCU AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.6.2.2 Number of Associations

The MPPS SCU AE initiates one association at a time.

Table 4.2-47
NUMBER OF ASSOCIATIONS INITIATED FOR THE MPPS SCU AE

Maximum number of simultaneous associations	1

4.2.6.2.3 Asynchronous Nature

The MPPS SCU AE does not support asynchronous communication (multiple outstanding transactions over a single association).

Table 4.2-48
ASYNCHRONOUS NATURE FOR THE MPPS SCU AE

Maximum number of outstanding asynchronous transactions	1

4.2.6.2.4 Implementation Identifying Information

The implementation information for this Application Entity is:

Table 4.2-49
DICOM IMPLEMENTATION CLASS AND VERSION FOR THE MPPS SCU AE

Implementation Class UID	1.2.392.200036.9116.6.18.1000.1
Implementation Version Name	TM_UL_DCM_V1.0

4.2.6.3 Association Initiation Policy

4.2.6.3.1 Activity – Acquire Instances

4.2.6.3.1.1 Description and Sequencing of Activities

The MPPS SCU AE performs the creation of an MPPS instance automatically when the user selects and starts a worklist item. Further updates on the MPPS data can be performed when the user completes the acquisition.

The MPPS SCU AE will initiate an association to issue an:

— N-CREATE request according to the CREATE Modality Performed Procedure Step SOP Instance operation, or an:

— N-SET request to update the contents and state of the MPPS according to the SET Modality Performed Procedure Step Information operation.

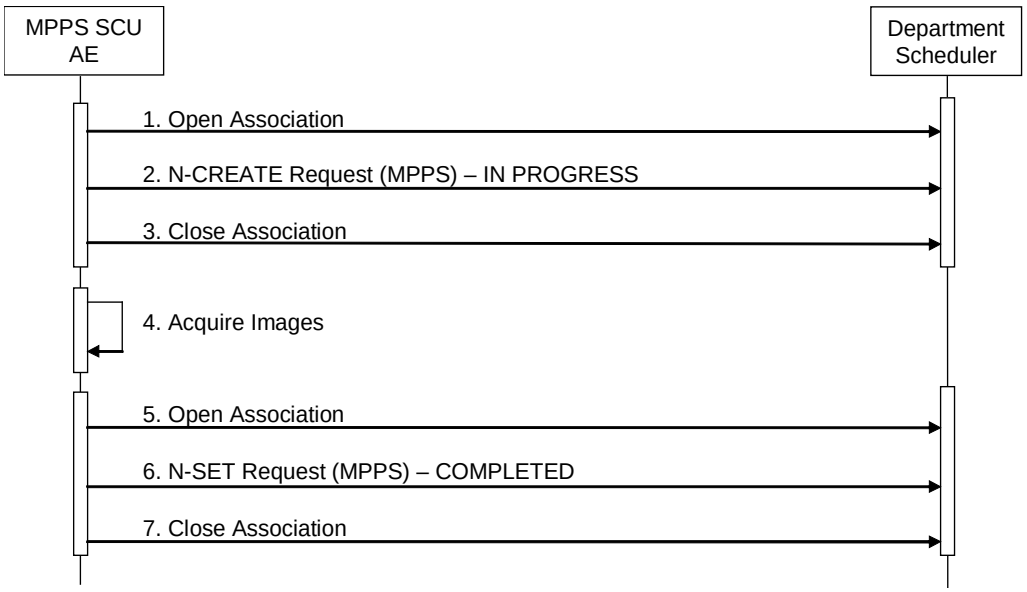


Figure 4.2-7
SEQUENCING OF ACTIVITY – ACQUIRE INSTANCES

A possible sequence of interactions between the MPPS SCU AE and a Department Scheduler (e.g. a device such as a RIS or HIS which supports the MPPS SOP Class as an SCP) is illustrated in the Figure above:

1. The MPPS SCU AE opens an association with the Department Scheduler
2. The MPPS SCU AE sends an N-CREATE request to the Department Scheduler to create an MPPS instance with status of “IN PROGRESS” and create all necessary attributes. The Department Scheduler acknowledges the MPPS creation with an N-CREATE response (status success).
3. The MPPS SCU AE closes the association with the Department Scheduler.
4. All instances are acquired and stored in the local database.
5. The MPPS SCU AE opens an association with the Department Scheduler.
6. The MPPS SCU AE sends an N-SET request to the Department Scheduler to update the MPPS instance with status of “COMPLETED” and set all necessary attributes. The Department Scheduler acknowledges the MPPS update with an N-SET response (status success).
7. The MPPS SCU AE closes the association with the Department Scheduler.

4.2.6.3.1.2 Proposed Presentation Contexts

The MPPS SCU AE will propose Presentation Contexts shown in the following table:

Table 4.2-50
PROPOSED PRESENTATION CONTEXTS FOR REAL-WORLD ACTIVITY ACQUIRE INSTANCES

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Modality Performed Procedure Step	1.2.840.10008.3.1.2.3.3	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

4.2.6.3.1.3 SOP Specific Conformance for MPPS SOP Class

The MPPS SCU AE provides standard conformance to the Modality Performed Procedure Step SOP Class as an SCU.

The behavior of the MPPS SCU AE when encountering status codes in an MPPS N-CREATE or N–SET response is summarized in the table below.

Table 4.2-51
MPPS N-CREATE / N-SET RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The SCP has completed the operation successfully.
*	*	Any other status code	The association is aborted and the MPPS is marked as failed. The status meaning is logged and reported to the user.

The behavior of the MPPS SCU AE during communication failure is summarized in the table below:

Table 4.2-52
MPPS COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	The association is aborted and MPPS is marked as failed. The reason is logged and reported to the user.
Association aborted by the SCP or network layers	The MPPS is marked as failed. The reason is logged and reported to the user.

The table below provides a description of the MPPS N-CREATE and N-SET request identifiers sent by the MPPS SCU AE. Empty cells in the N-CREATE and N-SET columns indicate that the attribute is not sent. An "x" indicates that an appropriate value will be sent. A "Zero length" attribute will be sent with zero length.

Table 4.2-53
MPPS N-CREATE / N-SET REQUEST IDENTIFIER

Attribute Name	Tag	VR	N-CREATE	N-SET
Specific Character Set	(0008,0005)	CS	Created, if an extended or replacement character set is used.	
Performed Procedure Step Relationship				
Scheduled Step Attributes Sequence	(0040,0270)	SQ	Always set	
>Study Instance UID	(0020,000D)	UI	From Modality Worklist	
>Referenced Study Sequence	(0008,1110)	SQ	From Modality Worklist	
>>Referenced SOP Class UID	(0008,1150)	UI	From Modality Worklist	
>>Referenced SOP Instance UID	(0008,1155)	UI	From Modality Worklist	
>Accession Number	(0008,0050)	SH	From Modality Worklist	
>Placer Order Number/Imaging Service Request	(0040,2016)	LO	Zero length	
>Filler Order Number/Imaging Service Request	(0040,2017)	LO	Zero length	
>Requested Procedure ID	(0040,1001)	SH	From Modality Worklist	
>Requested Procedure Description	(0032,1060)	LO	From Modality Worklist	
>Scheduled Procedure Step ID	(0040,0009)	SH	From Modality Worklist	
>Scheduled Procedure Step Description	(0040,0007)	LO	From Modality Worklist	
>Scheduled Protocol Code Sequence	(0040,0008)	SQ	From Modality Worklist	
Patient's Name	(0010,0010)	PN	From Modality Worklist or user input	
Patient ID	(0010,0020)	LO	From Modality Worklist or user input	
Patient's Birth Date	(0010,0030)	DA	From Modality Worklist or user input	
Patient's Sex	(0010,0040)	CS	From Modality Worklist or user input	
Referenced Patient Sequence	(0008,1120)	SQ	From Modality Worklist	
>Referenced SOP Class UID	(0008,1150)	UI	From Modality Worklist	
>Referenced SOP Instance UID	(0008,1155)	UI	From Modality Worklist	
Performed Procedure Step Information				
Performed Procedure Step ID	(0040,0253)	SH	x	
Performed Station AE Title	(0040,0241)	AE	MPPS SCU AE Title	
Performed Station Name	(0040,0242)	SH	From configuration	
Performed Location	(0040,0243)	SH	Zero length	
Performed Procedure Step Start Date	(0040,0244)	DA	Actual start date	
Performed Procedure Step Start Time	(0040,0245)	TM	Actual start time	

Performed Procedure Step Status	(0040,0252)	CS	IN PROGRESS	COMPLETED or DISCONTINUED
Performed Procedure Step Description	(0040,0254)	LO	x	
Performed Procedure Type Description	(0040,0255)	LO	Zero length	
Procedure Code Sequence	(0008,1032)	SQ	Zero or more items	Zero or more items
Performed Procedure Step End Date	(0040,0250)	DA	Zero length	Actual end date
Performed Procedure Step End Time	(0040,0251)	TM	Zero length	Actual end time
Comments on the Performed Procedure Step	(0040,0280)	ST		Zero length
Performed Procedure Step Discontinuation Reason Code Sequence	(0040,0281)	SQ		Zero or one item
>Code Value	(0008,0100)	SH		x
>Coding Scheme Designator	(0008,0102)	SH		x
>Coding Scheme Version	(0008,0103)	SH		x
>Code Meaning	(0008,0104)	LO		User input
Image Acquisition Results				
Modality	(0008,0060)	CS	US	
Study ID	(0020,0010)	SH	x	
Performed Protocol Code Sequence	(0040,0260)	SQ	Zero or more items	Zero or more items
Performed Series Sequence	(0040,0340)	SQ	One or more items	One or more items
>Performing Physician's Name	(0008,1050)	PN	From Modality Worklist or user input	x
>Protocol Name	(0018,1030)	LO	x	x
>Operator's Name	(0008,1070)	PN	Zero length	Zero length
>Series Instance UID	(0020,000E)	UI	x	x
>Series Description	(0008,103E)	LO	Zero length	Zero length
>Retrieve AE Title	(0008,0054)	AE	Zero length	Zero length
>Referenced Image Sequence	(0008,1140)	SQ	Zero or more items	One or more items
>>Referenced SOP Class UID	(0008,1150)	UI	x	x
>>Referenced SOP Instance UID	(0008,1155)	UI	x	x
>Referenced Non-Image Composite SOP Instance Sequence	(0040,0220)	SQ	Zero length	Zero length

4.2.6.4 Association Acceptance Policy

The MPPS SCU AE does not accept associations.

4.2.7 Q/R SCU AE Specification

4.2.7.1 SOP Classes

The Q/R SCU AE provides Standard Conformance to the following SOP Classes:

Table 4.2-54
SOP CLASSES FOR THE Q/R SCU AE

SOP Class Name	SOP Class UID	SCU	SCP
Study Root Q/R Information Model – Find	1.2.840.10008.5.1.4.1.2.2.1	Yes	No
Study Root Q/R Information Model – Move	1.2.840.10008.5.1.4.1.2.2.2		

4.2.7.2 Association Policies

4.2.7.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2-55
DICOM APPLICATION CONTEXT FOR THE Q/R SCU AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.7.2.2 Number of Associations

The Q/R SCU AE initiates one association at a time.

Table 4.2-56
NUMBER OF ASSOCIATIONS INITIATED FOR THE Q/R SCU AE

Maximum number of simultaneous associations	1

4.2.7.2.3 Asynchronous Nature

The Q/R SCU AE does not support asynchronous communication (multiple outstanding transactions over a single association).

Table 4.2-57
ASYNCHRONOUS NATURE FOR THE Q/R SCU AE

Maximum number of outstanding asynchronous transactions	1

4.2.7.2.4 Implementation Identifying Information

The implementation information for this Application Entity is:

Table 4.2-58
DICOM IMPLEMENTATION CLASS AND VERSION FOR THE Q/R SCU AE

Implementation Class UID	1.2.392.200036.9116.6.18.1000.1
Implementation Version Name	TM_UL_DCM_V1.0

4.2.7.3 Association Initiation Policy

4.2.7.3.1 Activity – Query and Retrieve Instances

4.2.7.3.1.1 Description and Sequencing of Activities

The Q/R SCU AE is activated when the user selects a remote node to query and enters some key information, Patient's Name, Patient ID and/or Study Date. The user can select series to be retrieved. The instances will be received at the Storage SCP AE.

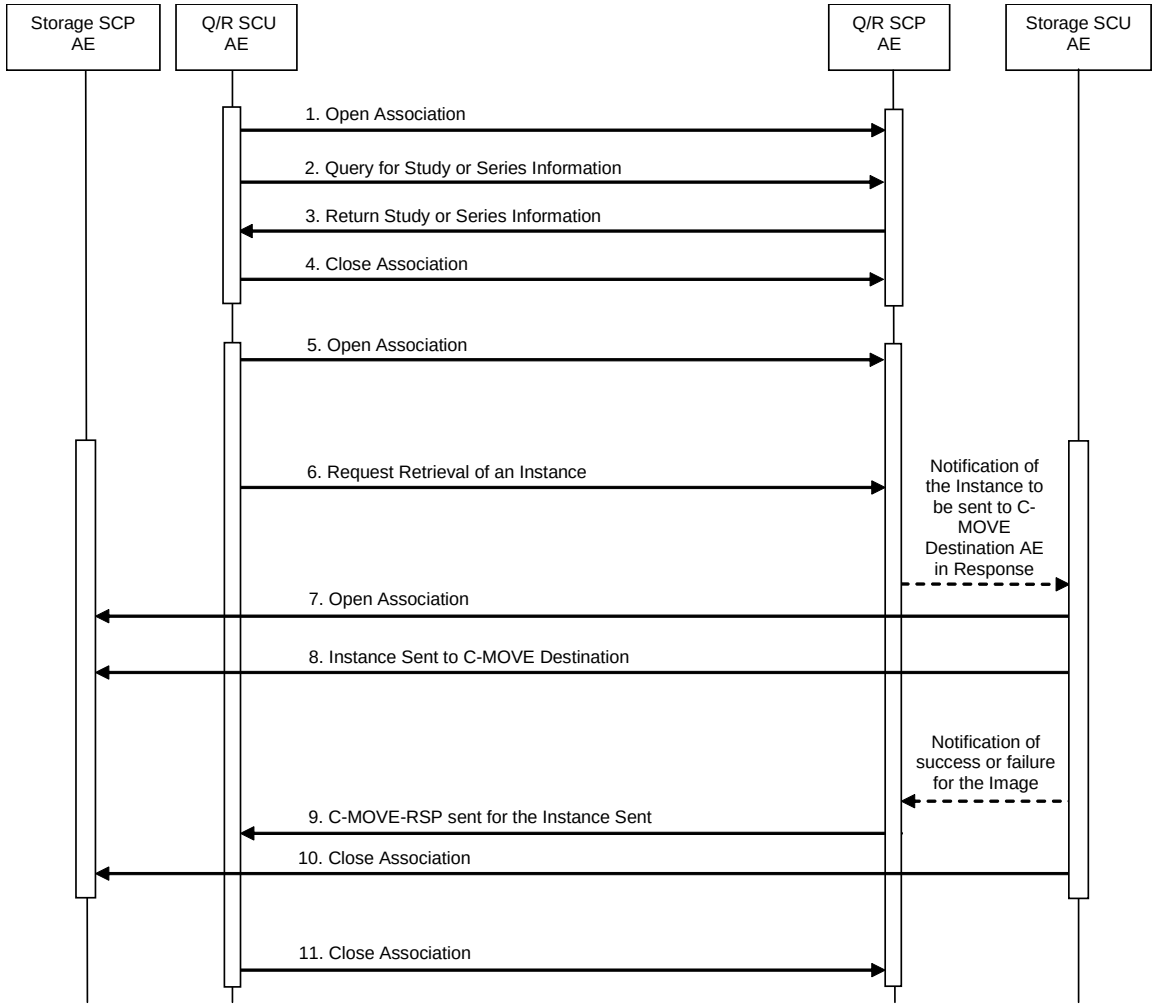


Figure 4.2-8
SEQUENCING OF ACTIVITY – QUERY AND RETRIEVE INSTANCES

The following sequencing constraints illustrated in the Figure above:

1. The Q/R SCU AE opens an association with the Q/R SCP AE.
2. The Q/R SCU AE sends a C-FIND-RQ Message.
3. The Q/R SCP AE returns a C-FIND-RSP Message to the Q/R SCU AE with matching information. A C-FIND-RSP is sent for each entity matching the identifier specified in the C-FIND-RQ. A final C-FIND-RSP is sent indicating that the matching is complete.
4. The Q/R SCU AE closes the association.
5. The Q/R SCU AE opens an association with the Q/R SCP AE.
6. The Q/R SCU AE sends a C-MOVE-RQ Message. The Q/R SCP AE notifies the Storage SCU AE to send the Composite SOP Instances to the peer C-MOVE Destination AE as indicated in the C-MOVE-RQ.
7. The Storage SCU AE opens an association with the C-MOVE Destination AE.
8. The Storage SCU AE sends instances to the C-MOVE Destination AE. The Storage SCU AE indicates to the Q/R SCP AE whether the transfer succeeded or failed.
9. The Q/R SCP AE then returns a C-MOVE-RSP indicating this success or failure.
10. The Storage SCU AE closes the association.
11. The Q/R SCU AE closes the association.

4.2.7.3.1.2 Proposed Presentation Contexts

The Q/R SCU AE will propose Presentation Contexts shown in the following table:

Table 4.2-59
PROPOSED PRESENTATION CONTEXTS FOR REAL-WORLD ACTIVITY QUERY AND RETRIEVE INSTANCES

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Study Root Q/R Information Model – Find	1.2.840.10008.5.1.4.1.2.2.1	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
Study Root Q/R Information Model – Move	1.2.840.10008.5.1.4.1.2.2.2	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

4.2.7.3.1.3 SOP Specific Conformance for Q/R Find SOP Classes

The Q/R SCU AE provides standard conformance to the Query/Retrieve Find SOP Classes as an SCU.

The behavior of the Q/R SCU AE when encountering status codes in a Q/R C-FIND response is summarized in the table below:

Table 4.2-60
THE Q/R SCU AE C-FIND RESPONSE STATUS BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Matching is complete	0000	The SCP has completed the matches. Study or Series information items are available for display or further processing.
*	*	Any other status code	The association is aborted using A-ABORT and the Study or Series information is marked as failed. The status meaning is logged and reported to the user.

The behavior of the Q/R SCU AE during communication failure is summarized in the table below.

Table 4.2-61
Q/R FIND COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	The association is aborted and the study or series query is marked as failed. The reason is logged and reported to the user.
Association aborted by the SCP or network layers	The study or series query is marked as failed. The reason is logged and reported to the user.

All queries are initiated at the highest level of the information model (the STUDY level), and then for each response received, recursively repeated at the next lower levels (the SERIES), in order to completely elucidate the “tree” of instances available on the remote AE.

The table below provides a description of the Q/R SCU AE C-FIND Request Identifier.

Table 4.2-62
STUDY ROOT REQUEST IDENTIFIER FOR C-FIND

Name	Tag	Types of Matching
Study Level		
Study Date	(0008,0020)	U, R
Study Time	(0008,0030)	U
Accession Number	(0008,0050)	S, U
Patient’s Name	(0010,0010)	*, U
Patient ID	(0010,0020)	*, U
Study ID	(0020,0010)	U
Study Instance UID	(0020,000D)	UNIQUE
Modalities in Study	(0008,0061)	U
Series Level		
Modality	(0008,0060)	U
Series Number	(0020,0011)	U
Series Instance UID	(0020,000E)	UNIQUE

Types of Matching:

The types of Matching supported by the Q/R SCU AE. An “S” indicates the identifier attribute uses Single Value Matching, an “R” indicates Range Matching, an “*” indicates wildcard matching, and a “U” indicates Universal Matching. “UNIQUE” indicates that this is the Unique Key for that query level, in which case Universal Matching or Single Value Matching is used depending on the query level.

4.2.7.3.1.4 SOP Specific Conformance for Q/R Move SOP Classes

The Q/R SCU AE provides standard conformance to the Query/Retrieve Move SOP Classes as an SCU.

The behavior of the Q/R SCU AE when encountering status codes in a Q/R C-MOVE response is summarized in the table below:

Table 4.2-63
THE Q/R SCU AE C-MOVE RESPONSE STATUS BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Sub-operations complete – No Failures	0000	The Storage SCP AE has successfully received the SOP Instance. If all SOP Instances in a move job have status success then the job is marked as complete.
*	*	Any other status code	The association is aborted using A-ABORT and the move job is marked as failed. The status meaning is logged and the job failure is reported to the user via the job control application.

The behavior of the Q/R SCU AE during communication failure is summarized in the table below.

Table 4.2-64
Q/R MOVE COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	The association is aborted using A-ABORT and the retrieve is marked as failed. The reason is logged and reported to the user if an interactive query.
Association aborted by the SCP or network layers	The retrieve is marked as failed. The reason is logged and reported to the user if an interactive query.

4.2.7.4 Association Acceptance Policy

The Q/R SCU AE does not accept associations.

4.2.8 Storage SCP AE Specification

4.2.8.1 SOP Classes

The Storage SCP AE provides Standard Conformance to the following SOP Classes:

Table 4.2-65
SOP CLASSES FOR THE STORAGE SCP AE

SOP Class Name	SOP Class UID	SCU	SCP
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	No	Yes
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1		
Ultrasound Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1		
Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88.22		
Comprehensive SR Storage	1.2.840.10008.5.1.4.1.1.88.33		
CT Image Storage	1.2.840.10008.5.1.4.1.1.2		
MR Image Storage	1.2.840.10008.5.1.4.1.1.4		

4.2.8.2 Association Policies

4.2.8.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2-66
DICOM APPLICATION CONTEXT FOR THE STORAGE SCP AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.8.2.2 Number of Associations

The Storage SCP AE can support up to ten associations at a time.

Table 4.2-67
NUMBER OF ASSOCIATIONS ACCEPTED FOR THE STORAGE SCP AE

Maximum number of simultaneous associations	10

4.2.8.2.3 Asynchronous Nature

The Storage SCP AE does not support asynchronous communication (multiple outstanding transactions over a single association).

Table 4.2-68
ASYNCHRONOUS NATURE FOR THE STORAGE SCP AE

Maximum number of outstanding asynchronous transactions	1

4.2.8.2.4 Implementation Identifying Information

The implementation information for the Storage SCP AE is:

Table 4.2-69
DICOM IMPLEMENTATION CLASS AND VERSION FOR THE STORAGE SCP AE

Implementation Class UID	1.2.392.200036.9116.6.18.1000.1
Implementation Version Name	TM_UL_DCM_V1.0

4.2.8.3 Association Initiation Policy

The Storage SCP AE does not initiate associations.

4.2.8.4 Association Acceptance Policy

The Storage SCP AE accepts associations only if they have valid Presentation Contexts. If none of the requested Presentation Contexts are accepted then the association request itself is rejected. It can be configured to only accept associations with certain hosts (using TCP/IP address) and/or AE Titles.

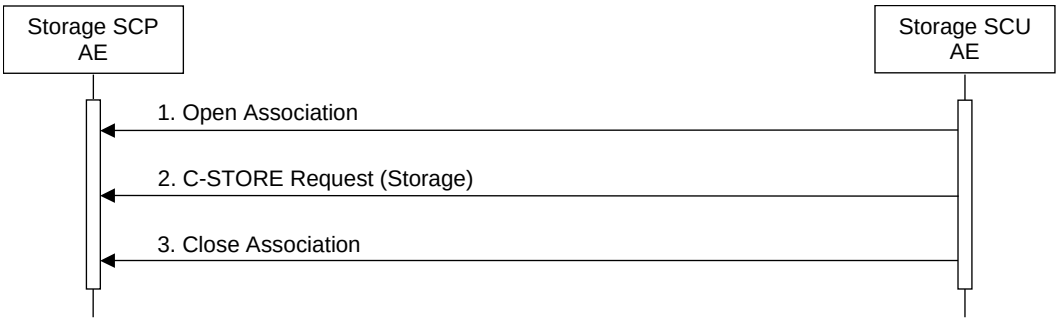


Figure 4.2-9
SEQUENCING OF ACTIVITY – STORE IMAGES TO THE LOCAL FILE SYSTEM

A possible sequence of interactions between the Storage SCP AE and a Storage SCU AE is illustrated in the Figure above:

1. The Storage SCU AE opens an association with the Storage SCP AE.
2. The Storage SCU AE sends images to the Storage SCP AE using a storage request (C-STORE) and the Storage SCP AE replies with a C-STORE response (status success).
3. The Storage SCU AE closes the association with the Storage SCP AE.

The Storage SCP AE may reject association attempts as shown in the Table 4.2-14.

4.2.8.4.1.1 Accepted Presentation Contexts

The default behavior of the Storage SCP AE supports the Implicit VR Little Endian and Explicit VR Little Endian transfer syntaxes. If the both transfer syntaxes are proposed per presentation context then the Storage SCP AE will select Explicit VR Little Endian Transfer Syntax.

Any of the presentation contexts shown in the following table are acceptable to the Storage SCP AE.

Table 4.2-70
ACCEPTED PRESENTATION CONTEXTS BY THE STORAGE SCP AE

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Implicit VR Little Endian	1.2.840.10008.1.2	SCP	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		RLE Lossless	1.2.840.10008.1.2.5		
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		RLE Lossless	1.2.840.10008.1.2.5		
Ultrasound Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		RLE Lossless	1.2.840.10008.1.2.5		
Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88.22	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
Comprehensive SR Storage	1.2.840.10008.5.1.4.1.1.88.33	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
CT Image Storage	1.2.840.10008.5.1.4.1.1.2	Implicit VR Little Endian	1.2.840.10008.1.2	SCP	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
MR Image Storage	1.2.840.10008.5.1.4.1.1.4	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		

4.2.8.4.1.2 SOP Specific Conformance for Verification SOP Class

The Storage SCP AE provides standard conformance to the Verification SOP Class as an SCP.

4.2.8.4.1.3 SOP Specific Conformance for Storage SOP Classes

The associated Activity with the Storage service is the storage of medical data received over the network on a designated hard disk. The Storage SCP AE will return a failure status if it is unable to store the instances on to the hard disk.

The Storage SCP AE is Level 0 conformant as a Storage SCP.

Table 4.2-71
THE STORAGE SCP AE C-STORE RESPONSE STATUS RETURN REASONS

Service Status	Further Meaning	Status Code	Reason
Success	Success	0000	The Composite SOP Instance was successfully received, verified, and stored in the system database.
Refused	Out of Resources	A700	Indicates that there were not enough local resources.
Error	Cannot Understand	C000	Indicates that the Storage SCP AE cannot parse the Data Set into Elements. (e.g. when receiving unsupported character sets)

4.2.9 Print SCU AE Specification

4.2.9.1 SOP Classes

The Print SCU AE provides Standard Conformance to the following Meta SOP Classes:

Table 4.2-72
META SOP CLASSES FOR THE PRINT SCU AE

SOP Class Name	SOP Class UID	SCU	SCP
Basic Grayscale Print Management Meta	1.2.840.10008.5.1.1.9	Yes	No
Basic Color Print Management Meta	1.2.840.10008.5.1.1.18	Yes	No

The above Meta SOP Classes are defined by the following set of supported SOP Classes:

Table 4.2-73
SOP CLASSES FOR THE PRINT SCU AE

SOP Class Name	SOP Class UID	SCU	SCP
Basic Film Session SOP Class	1.2.840.10008.5.1.1.1	Yes	No
Basic film Box SOP Class	1.2.840.10008.5.1.1.2	Yes	No
Basic Grayscale Image Box SOP Class	1.2.840.10008.5.1.1.4	Yes	No
Basic Color Image Box SOP Class	1.2.840.10008.5.1.1.4.1	Yes	No
Printer SOP Class	1.2.840.10008.5.1.1.16	Yes	No

4.2.9.2 Association Policies

4.2.9.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2-74
DICOM APPLICATION CONTEXT FOR THE PRINT SCU AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.9.2.2 Number of Associations

The Print SCU AE initiates one association at a time.

Table 4.2-75
NUMBER OF ASSOCIATIONS ACCEPTED FOR THE PRINT SCU AE

Maximum number of simultaneous Associations	1

4.2.9.2.3 Asynchronous Nature

The Print SCU AE does not support asynchronous communication (multiple outstanding transactions over a single Association).

Table 4.2-76
ASYNCHRONOUS NATURE FOR THE PRINT SCU AE

Maximum number of outstanding asynchronous transactions	1

4.2.9.2.4 Implementation Identifying Information

The implementation information for the Print SCU AE is:

Table 4.2-77
DICOM IMPLEMENTATION CLASS AND VERSION FOR THE PRINT SCU AE

Implementation Class UID	1.2.392.200036.9116.6.18.1000.1
Implementation Version Name	TM_UL_DCM_V1.0

4.2.9.3 Association Initiation Policy

4.2.9.3.1 Activity – Send Images & Print Management Information

4.2.9.3.1.1 Description and Sequencing of Activities

A user composes images onto film sheets and requests them to be sent to a specific hardcopy device. The user can select the desired film format and number of copies.

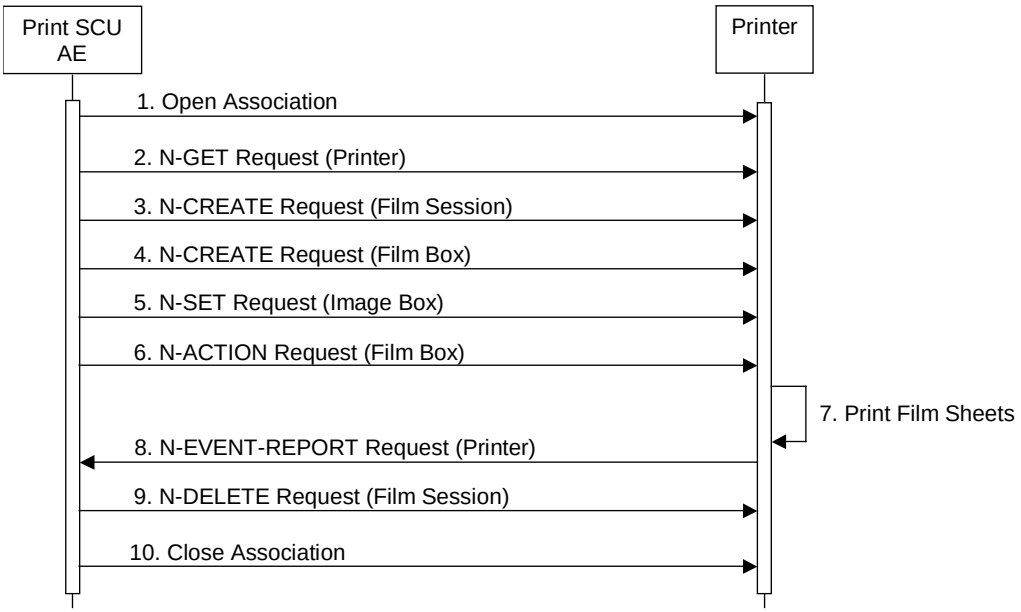


Figure 4.2-10
SEQUENCING OF ACTIVITY – SEND IMAGES & PRINT MANAGEMENT INFORMATION

A typical sequence of DIMSE messages sent over an association between the Print SCU AE and a Printer is illustrated in the Figure above:

1. The Print SCU AE opens an Association with the Printer.
2. N-GET on the Printer SOP Class is used to obtain current printer status information.
3. N-CREATE on the Film Session SOP Class creates a Film Session.
4. N-CREATE on the Film Box SOP Class creates a Film Box linked to the Film Session.
5. N-SET on the Image Box SOP Class transfers the contents of the film sheet to the printer.
6. N-ACTION on the Film Box SOP Class instructs the Printer to print the Film Box.
7. The Printer prints the requested number of film sheets.
8. The Printer asynchronously reports its status via N-EVENT-REPORT notification (Printer SOP Class). The printer can send this message at any time. The Print SCU AE does not require the N-EVENT-REPORT to be sent. The Print SCU AE is capable of receiving an N-EVENT-REPORT notification at any time during an association.
9. N-DELETE on the Film Session SOP Class deletes the complete Film Session SOP Instance hierarchy.
10. The Print SCU AE closes the Association with the Printer.

4.2.9.3.1.2 Proposed Presentation Contexts

The Print SCU AE is capable of proposing the Presentation Contexts shown in the table below:

Table 4.2-78
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY SEND IMAGES & PRINT MANAGEMENT INFORMATION

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Basic Grayscale Print Management Meta	1.2.840.10008.5.1.1.9	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
Basic Color Print Management Meta	1.2.840.10008.5.1.1.18	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

4.2.9.3.1.3 Common SOP Specific Conformance for all Print SOP Classes

The general behavior of the Print SCU AE during communication failure is summarized in the table below. This behavior is common for all SOP Classes supported by the Print SCU AE.

Table 4.2-79
PRINT COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	The Association is aborted using A-ABORT and the print-job is marked as failed. The reason is logged and the job failure is reported to the user via the job control application.
Association aborted by the SCP or network layers	The print-job is marked as failed. The reason is logged and the job failure is reported to the user via the job control application.

4.2.9.3.1.4 SOP Specific Conformance for Printer SOP Class

The Print SCU AE supports the following DIMSE operations and notifications for the Printer SOP Class:

— N-GET
— N-EVENT-REPORT

Details of the supported attributes and status handling behavior are described in the following subsections.

4.2.9.3.1.4.1 Printer SOP Class Operations (N-GET)

The Print SCU AE uses the Printer SOP Class N-GET operation to obtain information about the current printer status. The attributes obtained via N-GET are listed in the table below:

Table 4.2-80
PRINTER SOP CLASS N-GET REQUEST ATTRIBUTES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Printer Status	(2110,0010)	CS	Provided by Printer	ALWAYS	Printer
Printer Status Info	(2110,0020)	CS	Provided by Printer	ALWAYS	Printer

The Printer Status information is evaluated as follows:

1. If Printer status (2110,0010) is NORMAL, the print-job continues to be printed.
2. If Printer status (2110,0010) is FAILURE, the print-job is marked as failed. The contents of Printer Status Info (2110,0020) is logged and reported to the user via the job control application.
3. If Printer status (2110,0010) is WARNING, the print-job continues to be printed. The contents of Printer Status Info (2110,0020) is logged and reported to the user via the job control application.

The behavior of The Print SCU AE when encountering status codes in a N-GET response is summarized in the table below:

Table 4.2-81
PRINTER SOP CLASS N-GET RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The request to get printer status information was success.
*	*	Any other status code.	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.

4.2.9.3.1.4.2 Printer SOP Class Notifications (N-EVENT-REPORT)

The Print SCU AE is capable of receiving an N-EVENT-REPORT request at any time during an association.

The behavior of The Print SCU AE when receiving Event Types within the N-EVENT-REPORT is summarized in the table below:

Table 4.2-82
PRINTER SOP CLASS N-EVENT-REPORT BEHAVIOUR

Event Type Name	Event Type ID	Behavior
Normal	1	The print-job continues to be printed.
Warning	2	The print-job continues to be printed. The contents of Printer Status Info (2110,0020) is logged and reported to the user via the job-control application.
Failure	3	The print-job is marked as failed. The contents of Printer Status Info (2110,0020) is logged and reported to the user via the job-control application.
*	*	An invalid Event Type ID will cause a status code of 0113H to be returned in a N-EVENT-REPORT response.

The reasons for returning specific status codes in a N-EVENT-REPORT response are summarized in the table below:

Table 4.2-83
PRINTER SOP CLASS N-EVENT-REPORT RESPONSE STATUS REASONS

Service Status	Further Meaning	Status Code	Reasons
Success	Success	0000	The notification event has been successfully received.
Failure	No Such Event Type	0113H	An invalid Event Type ID was supplied in the N-EVENT-REPORT request.
Failure	Processing Failure	0110H	An internal error occurred during processing of the N-EVENT-REPORT. A short description of the error will be returned in Error Comment (0000,0902).

4.2.9.3.1.5 SOP Specific Conformance for the Film Session SOP Class

The Print SCU AE supports the following DIMSE operations for the Film Session SOP Class:

— N-CREATE
— N-DELETE

Details of the supported attributes and status handling behavior are described in the following subsections.

4.2.9.3.1.5.1 Film Session SOP Class Operations (N-CREATE)

The attributes supplied in an N-CREATE Request are listed in the table below:

Table 4.2-84
FILM SESSION SOP CLASS N-CREATE REQUEST ATTRIBUTES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Number of Copies	(2000,0010)	IS	1.. 9	ALWAYS	User
Print Priority	(2000,0020)	CS	MED	ALWAYS	Auto
Medium Type	(2000,0030)	CS	BLUE FILM, CLEAR FILM or PAPER	ALWAYS	User
Film Destination	(2000,0040)	CS	MAGAZINE or PROCESSOR	ALWAYS	User

The behavior of The Print SCU AE when encountering status codes in an N-CREATE response is summarized in the table below:

Table 4.2-85
FILM SESSION SOP CLASS N-CREATE RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The SCP has completed the operation successfully.
Warning	Attribute Value Out of Range	0116H	The N-CREATE operation is considered successful if it is configured that the status would be considered successful.
Warning	Attribute List Error	0107H	The N-CREATE operation is considered successful if it is configured that the status would be considered successful.
*	*	Any other status code.	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.

4.2.9.3.1.5.2 Film Session SOP Class Operations (N-DELETE)

The behavior of The Print SCU AE when encountering status codes in an N-DELETE response is summarized in the table below:

Table 4.2-86
PRINTER SOP CLASS N-DELETE RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The SCP has completed the operation successfully.
*	*	Any other status code.	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.

4.2.9.3.1.6 SOP Specific Conformance for the Film Box SOP Class

The Print SCU AE supports the following DIMSE operations for the Film Box SOP Class:

— N-CREATE

— N-ACTION

Details of the supported attributes and status handling behavior are described in the following subsections.

4.2.9.3.1.6.1 Film Box SOP Class Operations (N-CREATE)

The attributes supplied in an N-CREATE Request are listed in the table below:

Table 4.2-87
FILM BOX SOP CLASS N-CREATE REQUEST ATTRIBUTES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Image Display Format	(2010,0010)	CS	STANDARD\1,1	ALWAYS	User
Referenced Film Session Sequence	(2010,0500)	SQ		ALWAYS	Auto
>Referenced SOP Class UID	(0008,1150)	UI	1.2.840.10008.5.1.1.1	ALWAYS	Auto
>Referenced SOP Instance UID	(0008,1155)	UI	From created Film Session SOP Instance	ALWAYS	Auto
Film Orientation	(2010,0040)	CS	PORTRAIT or LANDSCAPE	ALWAYS	User
Film Size ID	(2010,0050)	CS	8INX10IN, 8_5INX11IN, 10INX12IN, 10INX14IN, 11INX14IN, 14INX14IN, 14INX17IN, 11INX17IN, 24CMX24CM, 24CMX30CM, A4 or A3	ALWAYS	User
Magnification Type	(2010,0060)	CS	REPLICATE, BILINEAR, CUBIC or NONE	ALWAYS	User
Smoothing Type	(2010,0080)	CS		ANAP	User
Border Density	(2010,0100)	CS	BLACK or WHITE	ALWAYS	User
Empty Image Density	(2010,0110)	CS	BLACK or WHITE	ALWAYS	User
Min Density	(2010,0120)	US	1.. 500	ALWAYS	User
Max Density	(2010,0130)	US	1.. 500	ALWAYS	User
Trim	(2010,0140)	CS	YES or NO	ALWAYS	User
Configuration Information	(2010,0150)	ST		ALWAYS	Auto

The behavior of the Print SCU AE when encountering status codes in an N-CREATE response is summarized in the table below:

Table 4.2-88
FILM BOX SOP CLASS N-CREATE RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The SCP has completed the operation successfully.
Warning	Requested Min Density or Max Density outside of printer's operating range	B605H	The N-CREATE operation is considered successful if it is configured that the status would be considered successful.

*	*	Any other status code.	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.

4.2.9.3.1.6.2 Film Box SOP Class Operations (N-ACTION)

An N-ACTION Request is issued to instruct the Print SCP to print the contents of the Film Box. The Action Reply argument in an N-ACTION response is not evaluated.

The behavior of The Print SCU AE when encountering status codes in a N-ACTION response is summarized in the table below:

Table 4.2-89
FILM BOX SOP CLASS N-ACTION RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The SCP has completed the operation successfully. The film has been accepted for printing.
Warning	Film Box SOP Instance hierarchy does not contain Image Box SOP Instances (empty page)	B603H	The N-ACTION operation is considered successful if it is configured that the status would be considered successful.
Warning	Image size is larger than Image Box size. The image has been demagnified.	B604H	The N-ACTION operation is considered successful if it is configured that the status would be considered successful.
Warning	Image size is larger than Image Box size. The image has been cropped to fit.	B609H	The N-ACTION operation is considered successful if it is configured that the status would be considered successful.
Warning	Image size or Combined Print Image Size is larger than Image Box size. The image or combined Print Image has been decimated to fit.	B60AH	The N-ACTION operation is considered successful if it is configured that the status would be considered successful.
Failure	Unable to create Print Job SOP Instance; print queue is full.	C602	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.
Failure	Image size is larger than Image Box size.	C603	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.
Failure	Combined Print Image Size is larger than Image Box size.	C613	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.
*	*	Any other status code.	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.

4.2.9.3.1.7 SOP Specific Conformance for the Grayscale Image Box SOP Class

The Print SCU AE supports the following DIMSE operations for the Grayscale Image Box SOP Class:

— N-SET

Details of the supported attributes and status handling behavior are described in the following subsections.

4.2.9.3.1.7.1 Grayscale Image Box SOP Class Operations (N-SET)

The attributes supplied in an N-SET Request are listed in the table below:

Table 4.2-90
GRAYSCALE IMAGE BOX SOP CLASS N-SET REQUEST ATTRIBUTES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Image Position	(2020,0010)	US	1	ALWAYS	Auto
Magnification Type	(2010,0060)	CS	REPLICATE, BILINEAR, CUBIC or NONE	ALWAYS	User
Smoothing Type	(2010,0080)	CS		ANAP	User
Basic Grayscale Image Sequence	(2020,0110)	SQ		ALWAYS	Auto
>Samples Per Pixel	(0028,0002)	US	1	ALWAYS	Auto
>Photometric Interpretation	(0028,0004)	CS	MONOCHROME2	ALWAYS	Auto
>Rows	(0028,0010)	US		ALWAYS	Auto
>Columns	(0028,0011)	US		ALWAYS	Auto
>Bits Allocated	(0028,0100)	US	8	ALWAYS	Auto
>Bits Stored	(0028,0101)	US	8	ALWAYS	Auto
>High Bit	(0028,0102)	US	7	ALWAYS	Auto
>Pixel Representation	(0028,0103)	US	0	ALWAYS	Auto
>Pixel Data	(7FE0,0010)	OB		ALWAYS	Auto

The behavior of the Print SCU AE when encountering status codes in an N-SET response is summarized in the table below:

Table 4.2-91
GRAYSCALE IMAGE BOX SOP CLASS N-SET RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The SCP has completed the operation successfully. Image successfully stored in Image Box.
Warning	Image size is larger than Image Box size. The image has been demagnified.	B604H	The N-SET operation is considered successful if it is configured that the status would be considered successful.
Warning	Requested Min Density or Max Density outside of printer's operating range.	B605H	The N-SET operation is considered successful if it is configured that the status would be considered successful.
Warning	Image size is larger than Image Box size. The image has been cropped to fit.	B609H	The N-SET operation is considered successful if it is configured that the status would be considered successful.
Warning	Image size or Combined Print Image Size is larger than Image Box size. The image or combined Print Image has been decimated to fit.	B60AH	The N-SET operation is considered successful if it is configured that the status would be considered successful.
Failure	Image size is larger than Image Box size.	C603	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.
Failure	Insufficient memory in printer to store the image.	C605	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.
Failure	Combined Print Image Size is larger than Image Box size.	C613	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.
*	*	Any other status code.	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.

4.2.9.3.1.8 SOP Specific Conformance for the Color Image Box SOP Class

The Print SCU AE supports the following DIMSE operations for the Color Image Box SOP Class:

— N-SET

Details of the supported attributes and status handling behavior are described in the following subsections.

4.2.9.3.1.8.1 Color Image Box SOP Class Operations (N-SET)

The attributes supplied in an N-SET Request are listed in the table below:

Table 4.2-92
COLOR IMAGE BOX SOP CLASS N-SET REQUEST ATTRIBUTES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Image Position	(2020,0010)	US	1	ALWAYS	Auto
Magnification Type	(2010,0060)	CS	REPLICATE, BILINEAR, CUBIC or NONE	ALWAYS	User
Smoothing Type	(2010,0080)	CS		ANAP	User
Basic Grayscale Image Sequence	(2020,0110)	SQ		ALWAYS	Auto
>Samples Per Pixel	(0028,0002)	US	3	ALWAYS	Auto
>Photometric Interpretation	(0028,0004)	CS	RGB	ALWAYS	Auto
>Planar Condition	(0028,0006)	US	0x0001	ALWAYS	Auto
>Rows	(0028,0010)	US		ALWAYS	Auto
>Columns	(0028,0011)	US		ALWAYS	Auto
>Bits Allocated	(0028,0100)	US	8	ALWAYS	Auto
>Bits Stored	(0028,0101)	US	8	ALWAYS	Auto
>High Bit	(0028,0102)	US	7	ALWAYS	Auto
>Pixel Representation	(0028,0103)	US	0	ALWAYS	Auto
>Pixel Data	(7FE0,0010)	OB		ALWAYS	Auto

The behavior of the Print SCU AE when encountering status codes in an N-SET response is summarized in the table below:

Table 4.2-93
COLOR IMAGE BOX SOP CLASS N-SET RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The SCP has completed the operation successfully. Image successfully stored in Image Box.
Warning	Image size is larger than Image Box size. The image has been demagnified.	B604H	The N-SET operation is considered successful if it is configured that the status would be considered successful.
Warning	Requested Min Density or Max Density outside of printer's operating range.	B605H	The N-SET operation is considered successful if it is configured that the status would be considered successful.
Warning	Image size is larger than Image Box size. The image has been cropped to fit.	B609H	The N-SET operation is considered successful if it is configured that the status would be considered successful.
Warning	Image size or Combined Print Image Size is larger than Image Box size. The image or combined Print Image has been decimated to fit.	B60AH	The N-SET operation is considered successful if it is configured that the status would be considered successful.
Failure	Image size is larger than Image Box size.	C603	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.
Failure	Insufficient memory in printer to store the image.	C605	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.
Failure	Combined Print Image Size is larger than Image Box size.	C613	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.
*	*	Any other status code.	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.

4.2.9.4 Association Acceptance Policy

The Print SCU AE does not accept associations.

4.3 NETWORK INTERFACES

4.3.1 Physical Network Interface

This product supports a single network interface. One of the following physical network interfaces will be available depending on installed hardware options:

Table 4.3-1
SUPPORTED PHYSICAL NETWORK INTERFACES

Ethernet 1000baseT
Ethernet 100baseT
Ethernet 10baseT

4.3.2 Additional Protocols

None.

4.4 CONFIGURATION

4.4.1 AE Title/Presentation Address Mapping

4.4.1.1 Local AE Titles

All local applications use the AE Titles and TCP/IP Ports configured via the service tool. The Field Service Engineer can configure the TCP Port via the service tool.

Note: Up to 16 characters (alphanumeric characters, “-”, “.”, and “_”) can be used in the AE Titles. Port 11600 is available for receiving all the SOP Classes listed in the Table 4.2-70, but Port 104 is not available for receiving Comprehensive SR.

Table 4.4-1
AE TITLE CONFIGURATION TABLE

Application Entity	Default AE Title	Default TCP/IP Port
Verification SCP	DICOM_LOCAL_SCP	104 or 11600
Storage SCP		
Storage Commitment SCU		
Verification SCU	VERIFY_AETITLE	Not Applicable
MWM SCU	MWMSCU_AE	
MPPS SCU	MPPSSCU_AE	
Print SCU	PrintSCU_AE	
Query/Retrieve SCU	DICOM_LOCAL_SCU	
Storage SCU		

4.4.1.2 Remote AE Title/Presentation Address Mapping

The AE Titles, host names and port numbers of remote applications are configured using the service tool.

Note: Up to 16 characters (alphanumeric characters, "-", ".", and "_") can be used in the AE Titles.

4.4.2 Parameters

A large number of parameters related to acquisition and general operation can be configured using the service tool. The table below only shows those configuration parameters relevant to DICOM communication. See the Product’s Service Manual for details on general configuration capabilities.

Table 4.4-2
CONFIGURATION PARAMETERS TABLE

Parameter	Configurable (Yes/No) [Range]	Default Value
General Parameters		
Maximum PDU send/receive size	Yes [2048-1048576]	32768 bytes
Time-out waiting for an acceptance or rejection response to an association request (Application Level Timeout)	Yes [1-9999999]	30 sec
Time-out waiting for a response to an association release request (Application Level Timeout)	Yes [1-9999999]	30 sec

Time-out waiting for completion of a TCP/IP connect request (Low-level timeout)	Yes [1-9999999]	30 sec
Time-out awaiting a response to a DIMSE request (Low-Level Timeout)	Yes [1-9999999]	30 sec
Time-out for waiting for data between TCP/IP-packets (Low Level Timeout)	Yes [1-9999999]	30 sec
Storage SCU Parameters		
Maximum number of simultaneously initiated associations by the Storage SCU AE	No	10
Number of times a failed send job may be retried	No	Forever, until the job succeeds or user cancels it.
Storage Commitment SCU Parameters		
Maximum number of simultaneously initiated associations by the Storage Commitment SCU AE	No	10
Maximum number of simultaneously accepted associations by the Storage Commitment SCU AE	No	10
Time-out waiting for a Storage Commitment Notification (maximum duration of applicability for a Storage Commitment Transaction UID)	Yes [1-99999](msec, sec, min, hour, day, month or year)	180 sec
Delay association release after sending a storage commitment request (wait for a storage commitment notification over the same association)	No	0
Modality Worklist SCU Parameters		
Maximum number of simultaneously initiated associations by the MWM SCU AE	No	1
Maximum number of worklist items	Yes [1-9999]	200
Query worklist for specific Scheduled Station AE Title	Yes	MWMSCU_AE
Query worklist for specific Modality	Yes	US
MPPS SCU Parameters		
Maximum number of simultaneously initiated associations by the MPPS SCU AE	No	1
Number of times a failed send job may be retried	No	Forever, until the job succeeds or user cancels it.
Q/R SCU Parameters		
Maximum number of simultaneously initiated associations by the Q/R SCU AE	No	1
Maximum number of matching entries	No	5000
Storage SCP Parameters		
Maximum number of simultaneously initiated associations by the Storage SCP AE	No	10
Print SCU Parameters		

Maximum number of simultaneously initiated associations by the Print SCU AE	No	1

5. MEDIA INTERCHANGE

5.1 IMPLEMENTATION MODEL

5.1.1 Application Data Flow

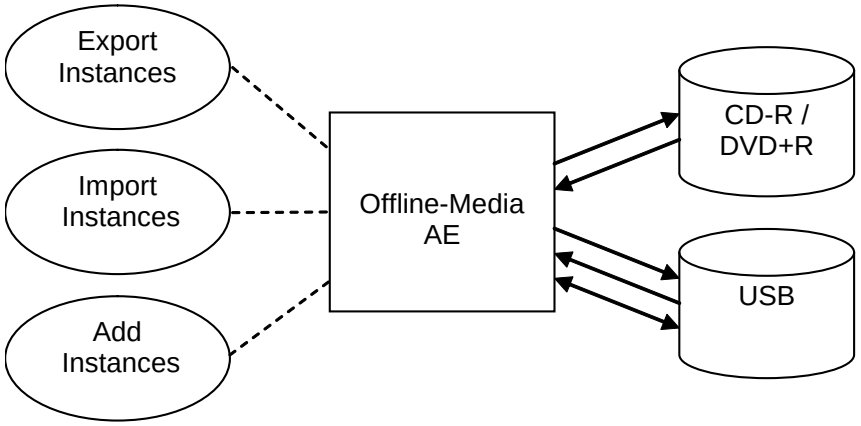


Figure 5.1-1
APPLICATION DATA FLOW DIAGRAM FOR MEDIA STORAGE

— The Offline-Media AE exports instances to a CD-R, DVD+R or USB Storage medium. It is associated with the local real-world activity “Export Instances” performed upon user request.

— The Offline-Media AE imports instances from a CD-R, DVD+R or USB Storage medium. It is associated with the local real-world activity “Import Instances” performed upon user request.

— The Offline-Media AE updates instances from a USB Storage medium. It is associated with the local real-world activity “Add Instances” performed upon user request.

5.1.2 Functional Definition of AEs

5.1.2.1 Functional Definition of Offline-Media AE

The Offline-Media AE is performed upon user request for selected instances to/from an offline DICOM CD-R, DVD+R or USB medium. It therefore performs the following tasks:

Export:

- Builds DICOM Information Objects.
- Creates a DICOMDIR file that represents the contents of the DICOM Information Objects to be recorded.
- Records DICOM Information Objects and the DICOMDIR file to the CD-R, DVD+R or USB medium.

Import:

- Reads the DICOMDIR file that represents the contents of the data as recorded.
- Displays the ordered list of instances, identifying information.
- Loads the selected instances from the CD-R, DVD+R or USB medium and displays them on the screen.

Addition:

- Reads a File-set of the USB medium and writes it to the local storage device.
- Adds the instances to the File-set, then writes it to the medium.
- Modifies the DICOMDIR file.

Note: The Offline-Media AE can update files created by the product itself.

5.1.3 Sequencing of Real-World Activities

5.1.3.1 Activity – Export Instances

Operator requests to create new File-set(s) onto a new CD-R, DVD+R or USB medium. The requests are placed in a queue and are executed in the background.

The operations for “Export Instances” are described below:

Step-1: Select the instances on the local storage device to be created to the medium.
Step-2: Request to copy to the medium.

5.1.3.2 Activity – Import Instances

Operator requests to retrieve File-set(s) on the CD-R, DVD+R or USB medium. The requests are placed in a queue and are executed in the background.

The operations for “Import Instances” are described below:

Step-1: Select the instances on the medium to be retrieved to the local storage device.
Step-2: Request to copy to the local storage device.

5.1.3.3 Activity – Add Instances

Operator requests to add new objects to an already existing File-set on the USB medium. The requests are placed in a queue and are executed in the background.

The operations for “Add Instances” are described below:

Step-1: Select the instances on the local storage device to be added to the medium.
Step-2: Request to copy to the medium.

5.1.4 File Meta Information for Implementation Class and Version

The implementation information written to the File Meta Header in each file is:

Table 5.1-1
DICOM IMPLEMENTATION CLASS AND VERSION FOR MEDIA STORAGE

File Meta Information Version	1
Implementation Class UID	1.2.392.200036.9116.6.18.1000.1
Implementation Version Name	TM_UL_DCM_V1.0

5.2 AE SPECIFICATIONS

5.2.1 Offline-Media AE Specification

The Offline-Media AE provides standard conformance to the DICOM Interchange Option of the Media Storage Service Class. The Application Profiles and roles are listed below:

Table 5.2-1
APPLICATION PROFILES, ACTIVITIES AND ROLES FOR OFFLINE-MEDIA

Application Profiles Supported	Real World Activity	Role	SC Option
AUG-GEN-CD1, AUG-GEN-DVD1, AUG-GEN-USB1	Export Instances	FSC	Interchange
AUG-GEN-CD1, AUG-GEN-DVD1, AUG-GEN-USB1, AUG-GEN-CD2, AUG-GEN-DVD2, AUG-GEN-USB2	Import Instances	FSR	Interchange
AUG-GEN-USB1	Add Instances	FSU	Interchange

5.2.1.1 File Meta Information for the Application Entity

The Source Application Entity Title is the local AE title of Storage SCP.

5.2.1.2 Real-World Activities

5.2.1.2.1 Activity – Export Instances

The Offline-Media AE acts as an FSC using the interchange option when requested to export SOP Instances from the local database to a CD-R, DVD+R or USB medium.

5.2.1.2.1.1 Media Storage Application Profiles

The Offline-Media AE supports the AUG-GEN-CD1, AUG-GEN-DVD1 and AUG-GEN-USB1 Application Profiles.

5.2.1.2.1.1.1 Options

The Offline-Media AE supports the SOP Classes and Transfer Syntaxes listed in Table 5.3-1.

5.2.1.2.2 Activity – Import Instances

The Offline-Media AE acts as an FSR using the interchange option when requested to import SOP Instances from a CD-R, DVD+R or USB medium to the local database.

5.2.1.2.2.1 Media Storage Application Profiles

The Offline-Media AE supports the AUG-GEN-CD1, AUG-GEN-DVD1, AUG-GEN-USB1, AUG-GEN-CD2, AUG-GEN-DVD2 and AUG-GEN-USB2 Application Profiles.

5.2.1.2.2.1.1 Options

The Offline-Media AE supports the SOP Classes and Transfer Syntaxes listed in Table 5.3-1 and Table 5.3-2.

5.2.1.2.3 Activity – Add Instances

The Offline-Media AE acts as an FSU using the interchange option when requested to add SOP Instances from the local database to a USB medium.

5.2.1.2.3.1 Media Storage Application Profiles

The Offline-Media AE supports the AUG-GEN-USB1 Application Profiles.

5.2.1.2.3.1.1 Options

The Offline-Media AE supports the SOP Classes and Transfer Syntaxes listed in Table 5.3-1.

5.3 AUGMENTED AND PRIVATE APPLICATION PROFILES

5.3.1 Augmented Application Profiles

5.3.1.1 Augmented Application Profiles – AUG-GEN-CD1, AUG-GEN-DVD1, AUG-GEN-USB1, AUG-GEN-CD2, AUG-GEN-DVD2 and AUG-GEN-USB2

5.3.1.1.1 SOP Class Augmentations

The Augmented Application Profiles support the following SOP Classes and Transfer Syntaxes:

Table 5.3-1
SOP CLASS AUGMENTATIONS FOR AUG-GEN-CD1, AUG-GEN-DVD1 AND AUG-GEN-USB1

Information Object Definition	SOP Class UID	Transfer Syntax	Transfer Syntax UID
DICOM Media Storage Directory	1.2.840.10008.1.3.10	Explicit VR Little Endian	1.2.840.10008.1.2.1
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Explicit VR Little Endian	1.2.840.10008.1.2.1
		JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70
		RLE Lossless	1.2.840.10008.1.2.5
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Explicit VR Little Endian	1.2.840.10008.1.2.1
		JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70
		RLE Lossless	1.2.840.10008.1.2.5
Ultrasound Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	Explicit VR Little Endian	1.2.840.10008.1.2.1
		JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70
		RLE Lossless	1.2.840.10008.1.2.5
Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88.22	Explicit VR Little Endian	1.2.840.10008.1.2.1

Table 5.3-2
SOP CLASS AUGMENTATIONS FOR AUG-GEN-CD2, AUG-GEN-DVD2 AND AUG-GEN-USB2

Information Object Definition	SOP Class UID	Transfer Syntax	Transfer Syntax UID
DICOM Media Storage Directory	1.2.840.10008.1.3.10	Explicit VR Little Endian	1.2.840.10008.1.2.1
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Explicit VR Little Endian	1.2.840.10008.1.2.1
		JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70
		RLE Lossless	1.2.840.10008.1.2.5
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Explicit VR Little Endian	1.2.840.10008.1.2.1
		JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70
		RLE Lossless	1.2.840.10008.1.2.5
Ultrasound Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	Explicit VR Little Endian	1.2.840.10008.1.2.1
		JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70
		RLE Lossless	1.2.840.10008.1.2.5
Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88.22	Explicit VR Little Endian	1.2.840.10008.1.2.1
CT Image Storage	1.2.840.10008.5.1.4.1.1.2	Explicit VR Little Endian	1.2.840.10008.1.2.1
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70
MR Image Storage	1.2.840.10008.5.1.4.1.1.4	Explicit VR Little Endian	1.2.840.10008.1.2.1
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70

5.3.1.1.2 Directory Augmentations

Not applicable.

5.3.1.1.3 Other Augmentations

Not applicable.

5.3.2 Private Application Profiles

Not applicable.

5.4 MEDIA CONFIGURATION

Not applicable.

6. SUPPORT OF CHARACTER SETS

This product supports the following character sets:

- ISO-IR 6 (default) ISO 646
- ISO-IR 100 (Latin alphabet No.1) Supplementary set of ISO 8859
- ISO-IR 144 (Cyrillic) Supplementary set of ISO 8859

Notes: If the Storage SCP AE receives instances that contain characters from unsupported character sets, it will respond with “Cannot Understand” to the C-STORE request.

If the MWM SCU AE receives worklist items that contain characters from unsupported character sets, it may abort the association using A-ABORT.

7. SECURITY

This product does not support any specific security measures.

It is assumed that the product is used within a secured environment. It is assumed that a secured environment includes at a minimum:

a. Firewall or router protections to ensure that only approved external hosts have network access to the product.

b. Firewall or router protections to ensure that the product only has network access to approved external hosts and services.

Other network security procedures such as automated intrusion detection may be appropriate in some environments. Additional security features may be established by the local security policy and are beyond the scope of this conformance statement.

8. ANNEXES

8.1 IOD CONTENTS

8.1.1 Created SOP Instances

Table 8.1-1 specifies the attributes of a Secondary Capture Image transmitted by the Storage SCU AE.

Table 8.1-2 specifies the attributes of an Ultrasound Image transmitted by the Storage SCU AE.

Table 8.1-3 specifies the attributes of an Ultrasound Multi-frame Image transmitted by the Storage SCU AE.

Table 8.1-4 specifies the attributes of an Enhanced SR transmitted by the Storage SCU AE.

Table 8.1-5 specifies the attributes of a Comprehensive SR transmitted by the Storage SCU AE.

The following tables use a number of abbreviations. The abbreviations used in the “Presence of …” column are:

VNAP Value Not Always Present (attribute sent zero length if no value is present)

ANAP Attribute Not Always Present

ALWAYS Always Present

EMPTY Attribute is sent without a value

The abbreviations used in the “Source” column:

MWL the attribute value source Modality Worklist

USER the attribute value source is from user input

AUTO the attribute value is generated automatically

MPPS the attribute value is the same as that use for Modality Performed Procedure Step

CONFIG the attribute value source is a configurable parameter

8.1.1.1 SC Image IOD

Table 8.1-1
IOD OF CREATED SC IMAGE SOP INSTANCES

IE	Module	Reference	Presence of Module
Patient	Patient	Table 8.1-6	ALWAYS
	Clinical Trial Subject	--	Not Present
Study	General Study	Table 8.1-7	ALWAYS
	Patient Study	Table 8.1-8	ALWAYS
	Clinical Trial Study	--	Not Present
Series	General Series	Table 8.1-9	ALWAYS
	Clinical Trial Series	--	Not Present
Equipment	General Equipment	Table 8.1-10	ALWAYS
	SC Equipment	Table 8.1-15	ALWAYS
Image	General Image	Table 8.1-11	ALWAYS
	Image Pixel	Table 8.1-12	ALWAYS
	SC Image	--	Not Present
	Overlay Plane	--	Not Present
	Modality LUT	--	Not Present
	VOI LUT	--	Not Present
	SOP Common	Table 8.1-16	ALWAYS
	Private Application	Table 8.1-13	ALWAYS

8.1.1.2 US Image IOD

Table 8.1-2
IOD OF CREATED US IMAGE SOP INSTANCES

IE	Module	Reference	Presence of Module
Patient	Patient	Table 8.1-6	ALWAYS
	Clinical Trial Subject	--	Not Present
Study	General Study	Table 8.1-7	ALWAYS
	Patient Study	Table 8.1-8	ALWAYS
	Clinical Trial Study	--	Not Present
Series	General Series	Table 8.1-9	ALWAYS
	Clinical Trial Series	--	Not Present
Frame of Reference	Frame of Reference	--	Not Present
	Synchronization	--	Not Present
Equipment	General Equipment	Table 8.1-10	ALWAYS
Image	General Image	Table 8.1-11	ALWAYS
	Image Pixel	Table 8.1-12	ALWAYS
	Contrast/bolus	--	Not Present
	Palette Color Lookup Table	--	Not Present
	US Region Calibration	Table 8.1-14	ALWAYS
	US Image	Table 8.1-17	ALWAYS
	Overlay Plane	--	Not Present
	VOI LUT	--	Not Present
	SOP Common	Table 8.1-18	ALWAYS
	Private Application	Table 8.1-13	ALWAYS

8.1.1.3 US Multi-frame Image IOD

Table 8.1-3
IOD OF CREATED US MULTI-FRAME IMAGE SOP INSTANCES

IE	Module	Reference	Presence of Module
Patient	Patient	Table 8.1-6	ALWAYS
	Clinical Trial Subject	--	Not Present
Study	General Study	Table 8.1-7	ALWAYS
	Patient Study	Table 8.1-8	ALWAYS
	Clinical Trial Study	--	Not Present
Series	General Series	Table 8.1-9	ALWAYS
	Clinical Trial Series	--	Not Present
Frame of Reference	Frame of Reference	--	Not Present
	Synchronization	--	Not Present
Equipment	General Equipment	Table 8.1-10	ALWAYS
Image	General Image	Table 8.1-11	ALWAYS
	Image Pixel	Table 8.1-12	ALWAYS
	Contrast/bolus	--	Not Present
	Cine	Table 8.1-19	ALWAYS
	Multi-frame	Table 8.1-20	ALWAYS
	Frame Pointers	--	Not Present
	Palette Color Lookup Table	--	Not Present
	US Region Calibration	Table 8.1-14	ALWAYS
	US Image	Table 8.1-21	ALWAYS
	VOI LUT	--	Not Present
	SOP Common	Table 8.1-22	ALWAYS
	Private Application	Table 8.1-13	ALWAYS

8.1.1.4 Enhanced SR IOD

Table 8.1-4
IOD OF CREATED ENHANCED SR SOP INSTANCES

IE	Module	Reference	Presence of Module
Patient	Patient	Table 8.1-6	ALWAYS
	Specimen Identification	--	Not Present
	Clinical Trial Subject	--	Not Present
Study	General Study	Table 8.1-7	ALWAYS
	Patient Study	Table 8.1-8	ALWAYS
	Clinical Trial Study	--	Not Present
Series	SR Document Series	Table 8.1-23	ALWAYS
	Clinical Trial Series	--	Not Present
Equipment	General Equipment	Table 8.1-10	ALWAYS
Document	SR Document General	Table 8.1-24	ALWAYS
	SR Document Content	Table 8.1-25 Table 8.1-47 Table 8.1-49	ALWAYS
	SOP Common	Table 8.1-54	ALWAYS
	Private Application	Table 8.1-13	ALWAYS

8.1.1.5 Comprehensive SR IOD

Table 8.1-5
IOD OF CREATED COMPREHENSIVE SR SOP INSTANCES

IE	Module	Reference	Presence of Module
Patient	Patient	Table 8.1-6	ALWAYS
	Specimen Identification	--	Not Present
	Clinical Trial Subject	--	Not Present
Study	General Study	Table 8.1-7	ALWAYS
	Patient Study	Table 8.1-8	ALWAYS
	Clinical Trial Study	--	Not Present
Series	SR Document Series	Table 8.1-23	ALWAYS
	Clinical Trial Series	--	Not Present
Equipment	General Equipment	Table 8.1-10	ALWAYS
Document	SR Document General	Table 8.1-24	ALWAYS
	SR Document Content	Table 8.1-25 Table 8.1-47 Table 8.1-49	ALWAYS
	SOP Common	Table 8.1-55	ALWAYS
	Private Application	Table 8.1-13	ALWAYS

8.1.1.6 Common Modules

Table 8.1-6
PATIENT MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Patient's Name	(0010,0010)	PN		VNAP	MWL/ USER
Patient ID	(0010,0020)	LO		ALWAYS	MWL/ USER
Patient's Birth Date	(0010,0030)	DA		VNAP	MWL/ USER
Patient's Sex	(0010,0040)	CS		VNAP	MWL/ USER
Ethnic Group	(0010,2160)	SH		VNAP	MWL/ USER
Patient Comments	(0010,4000)	LT	Values supplied via Modality Worklist will be entered at *Patient Comment*. Comment from Modality Worklist or user input will be edited in the following format: <"Insurance="Health Insurance Information<LINEFEED> Comment>.	ALWAYS	MWL/ USER

Table 8.1-7
GENERAL STUDY MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Study Instance UID	(0020,000D)	UI		ALWAYS	MWL/ AUTO
Study Date	(0008,0020)	DA		ALWAYS	AUTO
Study Time	(0008,0030)	TM		ALWAYS	AUTO
Referring Physician's Name	(0008,0090)	PN		VNAP	MWL/ USER
Study ID	(0020,0010)	SH		ALWAYS	AUTO
Accession Number	(0008,0050)	SH		VNAP	MWL/ USER
Study Description	(0008,1030)	LO	See Table 4.2-44 Notes	ANAP	USER
Physician(s) Of Record	(0008,1048)	PN		VNAP	USER
Name Of Physician(s) Reading Study	(0008,1060)	PN		VNAP	USER
Scheduled Study Start Date	(0032,1000)	DA		ANAP	AUTO

Scheduled Study Start Time	(0032,1001)	TM		ANAP	AUTO
Study Comments	(0032,4000)	LT	Additional Info from user input will be edited in the following format: <“BSA=”BSA Information<LINEFEED> ”BSAType=”BSA Type Information>.	ALWAYS	USER
Referenced Study Sequence	(0008,1110)	SQ		ANAP	MWL
>Referenced SOP Class UID	(0008,1150)	UI		ANAP	MWL
>Referenced SOP Instance UID	(0008,1155)	UI		ANAP	MWL

Table 8.1-8
PATIENT STUDY MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Patient's Age	(0010,1010)	AS		ANAP	AUTO
Patient's Size	(0010,1020)	DS		VNAP	MWL/ USER
Patient's Weight	(0010,1030)	DS		VNAP	MWL/ USER

Table 8.1-9
GENERAL SERIES MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Modality	(0008,0060)	CS	US	ALWAYS	AUTO
Series Instance UID	(0020,000E)	UI		ALWAYS	AUTO
Series Number	(0020,0011)	IS		ALWAYS	AUTO
Series Date	(0008,0021)	DA		ALWAYS	AUTO
Series Time	(0008,0031)	TM		ALWAYS	AUTO
Performing Physician's Name	(0008,1050)	PN		VNAP	MWL/ USER
Protocol Name	(0018,1030)	LO	Abdomen, Carotid, Thyroid, Breast, OB, GYN, Endo-Vaginal, Fetal Heart, Adult Heart, Pediatric Heart, Coronary, TCD, Neo-Head, Neo-General, Neo-Hip, PV Venous, PV Arterial, Digits, MSK, Prostate, Kidney, Testes, OTHER or M-TEE	ALWAYS	MWL/ USER
Series Description	(0008,103E)	LO	Blood Pressure from user input will be edited in the following format: <"BloodPressure="Blood Pressure Information>.	ANAP	AUTO
Operator's Name	(0008,1070)	PN		VNAP	USER
Referenced Performed Procedure Step Sequence	(0008,1111)	SQ		ANAP	MWL
>Referenced SOP Class UID	(0008,1150)	UI		ANAP	MWL
>Referenced SOP Instance UID	(0008,1155)	UI		ANAP	MWL
Body Part Examined	(0018,0015)	CS		EMPTY	AUTO
Request Attributes Sequence	(0040,0275)	SQ		ANAP	MWL
>Requested Procedure ID	(0040,1001)	SH		ANAP	MWL
>Scheduled Procedure Step ID	(0040,0009)	SH		ANAP	MWL
>Scheduled Procedure Step Description	(0040,0007)	LO	See Table 4.2-44 Notes	ANAP	MWL

>Scheduled Protocol Code Sequence	(0040,0008)	SQ		ANAP	MWL
Performed Procedure Step ID	(0040,0253)	SH		ANAP	MWL/ AUTO
Performed Procedure Step Start Date	(0040,0244)	DA		ANAP	AUTO
Performed Procedure Step Start Time	(0040,0245)	TM		ANAP	AUTO
Performed Procedure Step Description	(0040,0254)	LO		ANAP	MWL
Performed Protocol Code Sequence	(0040,0260)	SQ		ANAP	MWL
>Code Value	(0008,0100)	SH		ANAP	AUTO
>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>Coding Scheme Version	(0008,0103)	SH		ANAP	AUTO
>Code Meaning	(0008,0104)	LO		ANAP	AUTO

Table 8.1-10
GENERAL EQUIPMENT MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Manufacturer	(0008,0070)	LO	TOSHIBA_MEC_US	ALWAYS	AUTO
Institution Name	(0008,0080)	LO		ALWAYS	CONFIG
Institution Address	(0008,0081)	ST		ALWAYS	CONFIG
Station Name	(0008,1010)	SH		ALWAYS	CONFIG
Institutional Department Name	(0008,1040)	LO		ALWAYS	CONFIG
Manufacturer's Model Name	(0008,1090)	LO	TUS-X200 or TUS-X100	ALWAYS	AUTO
Device Serial Number	(0018,1000)	LO		ALWAYS	AUTO
Software Version	(0018,1020)	LO	AC_V2.00*Rxxx	ALWAYS	AUTO

Table 8.1-11
GENERAL IMAGE MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Instance Number	(0020,0013)	IS		ALWAYS	AUTO
Patient Orientation	(0020,0020)	CS		EMPTY	AUTO
Content Date	(0008,0023)	DA		ALWAYS	AUTO
Content Time	(0008,0033)	TM		ALWAYS	AUTO

Image Type	(0008,0008)	CS	Value 1: Pixel Data Characteristics "ORIGINAL" or "DERIVED" Value 2: Patient Exam Characteristics "PRIMARY" or "SECONDARY" Value 3: System Defined Term	ANAP	AUTO
Acquisition Date	(0008,0022)	DA		ALWAYS	AUTO
Acquisition Time	(0008,0032)	TM		ALWAYS	AUTO
Derivation Description	(0008,2111)	ST		ANAP	AUTO
Image Comments	(0020,4000)	LT		ANAP	USER
Burned In Annotation	(0028,0301)	CS		ALWAYS	AUTO
Lossy Image Compression	(0028,2110)	CS		ANAP	AUTO
Lossy Image Compression Ratio	(0028,2112)	DS		ANAP	AUTO

Table 8.1-12
IMAGE PIXEL MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Samples per Pixel	(0028,0002)	US		ALWAYS	AUTO
Photometric Interpretation	(0028,0004)	CS	RGB, MONOCHROME2 or YBR_FULL_422	ALWAYS	CONFIG
Planar Configuration	(0028,0006)	US		ANAP	AUTO
Rows	(0028,0010)	US	720 or 1024	ALWAYS	AUTO
Columns	(0028,0011)	US	960 or 1280	ALWAYS	AUTO
Bits Allocated	(0028,0100)	US	8	ALWAYS	AUTO
Bits Stored	(0028,0101)	US	8	ALWAYS	AUTO
High Bit	(0028,0102)	US	7	ALWAYS	AUTO
Pixel Representation	(0028,0103)	US	0	ALWAYS	AUTO
Pixel Data	(7FE0,0010)	OB or OW		ALWAYS	AUTO

Table 8.1-13
PRIVATE APPLICATION MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Private Creator	(0029,0010)	LO		ANAP	AUTO
Application Header Type	(0029,1008)	CS		ANAP	AUTO
Application Header Version	(0029,1009)	LO		ANAP	AUTO
Application Header Data	(0029,1010)	OB		ANAP	AUTO
Application Header Data	(0029,1020)	OB		ANAP	AUTO
Private Creator	(7015,0010)	LO		ALWAYS	AUTO
Private Creator	(7015,0011)	LO		ANAP	AUTO
Application Header Data	(7015,1060)	OB		ANAP	AUTO
Application Header Sequence	(7015,1073)	SQ		ANAP	AUTO
>Private Creator	(0029,0010)	LO		ALWAYS	AUTO
>Application Header Type	(0029,1089)	LO		ALWAYS	AUTO
>Application Header Data	(0029,1090)	OB		ALWAYS	AUTO
Application Header Sequence	(7015,1173)	SQ		ANAP	AUTO
>Private Creator	(0029,0010)	LO		ALWAYS	AUTO
>Application Header Type	(0029,1089)	LO		ALWAYS	AUTO
>Application Header Data	(0029,1090)	OB		ALWAYS	AUTO

8.1.1.7 US Region Calibration Module

Table 8.1-14
US REGION CALIBRATION MODULE

Attribute Name	Tag	VR	Value	Presence of Value	Source
Sequence of Ultrasound Regions	(0018,6011)	SQ		ALWAYS	AUTO
>Region Spatial Format	(0018,6012)	US		ALWAYS	AUTO
>Region Data Type	(0018,6014)	US		ALWAYS	AUTO
>Region Flags	(0018,6016)	UL		ALWAYS	AUTO
>Region Location Min x0	(0018,6018)	UL		ALWAYS	AUTO
>Region Location Min y0	(0018,601A)	UL		ALWAYS	AUTO
>Region Location Max x1	(0018,601C)	UL		ALWAYS	AUTO
>Region Location Max y1	(0018,601E)	UL		ALWAYS	AUTO
>Reference Pixel x0	(0018,6020)	SL		ALWAYS	AUTO
>Reference Pixel y0	(0018,6022)	SL		ALWAYS	AUTO
>Physical Units X Direction	(0018,6024)	US		ALWAYS	AUTO
>Physical Units Y Direction	(0018,6026)	US		ALWAYS	AUTO
>Reference Pixel Physical Value X	(0018,6028)	FD		ALWAYS	AUTO
>Reference Pixel Physical Value Y	(0018,602A)	FD		ALWAYS	AUTO
>Physical Delta X	(0018,602C)	FD		ALWAYS	AUTO
>Physical Delta Y	(0018,602E)	FD		ALWAYS	AUTO
>Transducer Frequency	(0018,6030)	UL		ALWAYS	AUTO
>Pulse Repetition Frequency	(0018,6032)	UL		ANAP	AUTO
>Doppler Correction Angle	(0018,6034)	FD		ANAP	AUTO
>Steering Angle	(0018,6036)	FD		ANAP	AUTO
>Doppler Sample Volume X Position	(0018,6038)	UL		ANAP	AUTO
>Doppler Sample Volume Y Position	(0018,603A)	UL		ANAP	AUTO
>TM-Line Position x0	(0018,603C)	UL		ANAP	AUTO
>TM-Line Position y0	(0018,603E)	UL		ANAP	AUTO
>TM-Line Position x1	(0018,6040)	UL		ANAP	AUTO
>TM-Line Position y1	(0018,6042)	UL		ANAP	AUTO

8.1.1.8 SC Image Modules

Table 8.1-15
SC EQUIPMENT MODULE OF CREATED SC IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Conversion Type	(0028,0064)	CS	"DV" (Digitized Video), "DI" (Digital Interface), "DF" (Digitized Film), or "WSD" (Workstation)	ALWAYS	AUTO

Table 8.1-16
SOP COMMON MODULE OF CREATED SC IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Specific Character Set	(0008,0005)	CS	See Section 6	ALWAYS	AUTO
Instance Creation Date	(0008,0012)	DA		ALWAYS	AUTO
Instance Creation Time	(0008,0013)	TM		ALWAYS	AUTO
Instance Creator UID	(0008,0014)	UI	1.2.392.200036.9116	ALWAYS	AUTO
SOP Class UID	(0008,0016)	UI	1.2.840.10008.5.1.4.1.1.7	ALWAYS	AUTO
SOP Instance UID	(0008,0018)	UI		ALWAYS	AUTO

8.1.1.9 US Image Modules

Table 8.1-17
US IMAGE MODULE OF CREATED US IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Transducer Data	(0018,5010)	LO		ALWAYS	AUTO
Focus Depth	(0018,5012)	DS		ALWAYS	AUTO
Mechanical Index	(0018,5022)	DS		ALWAYS	AUTO
Bone Thermal Index	(0018,5024)	DS		ALWAYS	AUTO
Soft Tissue Thermal Index	(0018,5027)	DS		ALWAYS	AUTO
Depth of Scan Field	(0018,5050)	IS		ALWAYS	AUTO
Transducer Type	(0018,6031)	CS		ALWAYS	AUTO
Samples per Pixel	(0028,0002)	US		ALWAYS	AUTO
Photometric Interpretation	(0028,0004)	CS	RGB, MONOCHROME2 or YBR_FULL_422	ALWAYS	CONFIG
Planar Configuration	(0028,0006)	US		ANAP	AUTO
Rows	(0028,0010)	US	720	ALWAYS	USER
Columns	(0028,0011)	US	960	ALWAYS	USER
Ultrasound Color Data Present	(0028,0014)	US		ALWAYS	AUTO
Bits Allocated	(0028,0100)	US	8	ALWAYS	AUTO
Bits Stored	(0028,0101)	US	8	ALWAYS	AUTO
High Bit	(0028,0102)	US	7	ALWAYS	AUTO
Pixel Representation	(0028,0103)	US	0	ALWAYS	AUTO
Pixel Data	(7FE0,0010)	OB or OW		ALWAYS	AUTO

Table 8.1-18
SOP COMMON MODULE OF CREATED US IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Specific Character Set	(0008,0005)	CS	See Section 6	ALWAYS	AUTO
Instance Creation Date	(0008,0012)	DA		ALWAYS	AUTO
Instance Creation Time	(0008,0013)	TM		ALWAYS	AUTO
Instance Creator UID	(0008,0014)	UI	1.2.392.200036.9116	ALWAYS	AUTO
SOP Class UID	(0008,0016)	UI	1.2.840.10008.5.1.4.1.1.6.1	ALWAYS	AUTO
SOP Instance UID	(0008,0018)	UI		ALWAYS	AUTO

8.1.1.10 US Multi-frame Image Modules

Table 8.1-19
CINE MODULE OF CREATED US MULTI-FRAME IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Start Trim	(0008,2142)	IS		ANAP	AUTO
Stop Trim	(0008,2143)	IS		ANAP	AUTO
Recommended Display Frame Rate	(0008,2144)	IS		ANAP	USER
Cine Rate	(0018,0040)	IS		ANAP	USER
Effective Duration	(0018,0072)	DS		ANAP	AUTO
Frame Time	(0018,1063)	DS		ALWAYS	AUTO
Frame Delay	(0018,1066)	DS		ANAP	AUTO
Actual Frame Duration	(0018,1242)	IS		ANAP	AUTO

Table 8.1-20
MULTI-FRAME MODULE OF CREATED US MULTI-FRAME IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Number of Frames	(0028,0008)	IS		ALWAYS	USER
Frame Increment Pointer	(0028,0009)	AT		ALWAYS	AUTO

Table 8.1-21
US IMAGE MODULE OF CREATED US MULTI-FRAME IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Stage Name	(0008,2120)	SH		ANAP	AUTO
Stage Number	(0008,2122)	IS		ANAP	AUTO
Number of Stages	(0008,2124)	IS		ANAP	AUTO
View Name	(0008,2127)	SH		ANAP	AUTO
View Number	(0008,2128)	IS		ANAP	AUTO
Number of Views in Stage	(0008,212A)	IS		ANAP	AUTO
Heart Rate	(0008,1088)	IS		ANAP	AUTO
Transducer Data	(0018,5010)	LO		ALWAYS	AUTO
Focus Depth	(0018,5012)	DS		ALWAYS	AUTO
Mechanical Index	(0018,5022)	DS		ALWAYS	AUTO
Bone Thermal Index	(0018,5024)	DS		ALWAYS	AUTO
Soft Tissue Thermal Index	(0018,5027)	DS		ALWAYS	AUTO
Depth of Scan Field	(0018,5050)	IS		ALWAYS	AUTO
Transducer Type	(0018,6031)	CS		ALWAYS	AUTO
Samples per Pixel	(0028,0002)	US		ALWAYS	AUTO

Photometric Interpretation	(0028,0004)	CS	RGB, MONOCHROME2 or YBR_FULL_422	ALWAYS	AUTO
Planar Configuration	(0028,0006)	US		ALWAYS	AUTO
Rows	(0028,0010)	US	660 or 720	ALWAYS	AUTO
Columns	(0028,0011)	US	416, 480 or 960	ALWAYS	AUTO
Ultrasound Color Data Present	(0028,0014)	US		ANAP	AUTO
Bits Allocated	(0028,0100)	US	8	ALWAYS	AUTO
Bits Stored	(0028,0101)	US	8	ALWAYS	AUTO
High Bit	(0028,0102)	US	7	ALWAYS	AUTO
Pixel Representation	(0028,0103)	US	0	ALWAYS	AUTO
Stage Code Sequence	(0040,000A)	SQ		ANAP	AUTO
>Code Value	(0008,0100)	SH		ANAP	AUTO
>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>Coding Scheme Version	(0008,0103)	SH		ANAP	AUTO
>Code Meaning	(0008,0104)	LO		ANAP	AUTO
View Code Sequence	(0054,0220)	SQ		ANAP	AUTO
>Code Value	(0008,0100)	SH		ANAP	AUTO
>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>Coding Scheme Version	(0008,0103)	SH		ANAP	AUTO
>Code Meaning	(0008,0104)	LO		ANAP	AUTO
Pixel Data	(7FE0,0010)	OB		ALWAYS	AUTO

Table 8.1-22
SOP COMMON MODULE OF CREATED US MULTI-FRAME IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Specific Character Set	(0008,0005)	CS	See Section 6	ALWAYS	AUTO
Instance Creation Date	(0008,0012)	DA		ALWAYS	AUTO
Instance Creation Time	(0008,0013)	TM		ALWAYS	AUTO
Instance Creator UID	(0008,0014)	UI	1.2.392.200036.9116	ALWAYS	AUTO
SOP Class UID	(0008,0016)	UI	1.2.840.10008.5.1.4.1.1.3.1	ALWAYS	AUTO
SOP Instance UID	(0008,0018)	UI		ALWAYS	AUTO

8.1.1.11 Enhanced /Comprehensive SR Modules

Table 8.1-23
SR DOCUMENT SERIES MODULE OF CREATED ENHANCED/COMPREHENSIVE SR SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Modality	(0008,0060)	CS	SR	ALWAYS	AUTO
Referenced Study Component Sequence	(0008,1111)	SQ		VNAP	AUTO
Series Instance UID	(0020,000E)	UI		ALWAYS	AUTO
Series Number	(0020,0011)	IS		ALWAYS	AUTO

Table 8.1-24
SR DOCUMENT GENERAL MODULE OF CREATED ENHANCED/COMPREHENSIVE SR SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Content Date	(0008,0023)	DA		ALWAYS	AUTO
Content Time	(0008,0033)	TM		ALWAYS	AUTO
Instance Number	(0020,0013)	IS		ALWAYS	AUTO
Referenced Request Sequence	(0040,A370)	SQ		VNAP	AUTO
>Accession Number	(0008,0050)	SH		VNAP	MWL/ USER
>Referenced Study Sequence	(0008,1110)	SQ		VNAP	MWL
>Study Instance UID	(0020,000D)	UI		VNAP	MWL/ AUTO
>Requested Procedure Description	(0032,1060)	LO	See Table 4.2-44 Notes	VNAP	MWL/ USER
>Requested Procedure Code Sequence	(0032,1064)	SQ		VNAP	MWL
>Requested Procedure ID	(0040,1001)	SH		VNAP	MWL/ USER
>Placer Order Number/Imaging Service Request	(0040,2016)	LO		VNAP	MWL
>Filler Order Number/Imaging Service Request	(0040,2017)	LO		VNAP	MWL
Performed Procedure Code Sequence	(0040,A372)	SQ		ALWAYS	AUTO
Current Requested Procedure Evidence Sequence	(0040,A375)	SQ		VNAP	AUTO
>Referenced Series Sequence	(0008,1115)	SQ		VNAP	AUTO
>>Referenced SOP Sequence	(0008,1199)	SQ		VNAP	AUTO
>>>Referenced SOP Class UID	(0008,1150)	UI		VNAP	AUTO
>>>Referenced SOP Instance UID	(0008,1155)	UI		VNAP	AUTO

>>Series Instance UID	(0020,000E)	UI		ALWAYS	AUTO
>Study Instance UID	(0020,000D)	UI		VNAP	MWL/ AUTO
Completion Flag	(0040,A491)	CS	COMPLETE	ALWAYS	AUTO
Verification Flag	(0040,A493)	CS	UNVERIFIED	ALWAYS	AUTO

Table 8.1-25
SR DOCUMENT CONTENT MODULE OF CREATED ENHANCED/COMPREHENSIVE SR SOP INSTANCES FOR ECHOCARDIOGRAPHY PROCEDURE REPORT TEMPLATE

Attribute Name	Tag	VR	Value	Presence of Value	Source
Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>Code Value	(0008,0100)	SH	125200	ALWAYS	AUTO
>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>Code Meaning	(0008,0104)	LO	Adult Echocardiography Procedure Report	ALWAYS	AUTO
Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
Content Template Sequence	(0040,A504)	SQ		ALWAYS	AUTO
>Template Identifier	(0040,DB00)	CS	5200	ALWAYS	AUTO
>Mapping Resource	(0008,0105)	CS	DCMR	ALWAYS	AUTO
Content Sequence	(0040,A730)	SQ		ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121049	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Language of Content Item and descendants	ALWAYS	AUTO
>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	eng	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	ISO0639-2	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	English	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	HAS OBS CONTEXT	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121005	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Observer Type	ALWAYS	AUTO
>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121007	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Device	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121118	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Patient Characteristics	ALWAYS	AUTO
>Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
>Content Sequence	(0040,A730)	SQ		ANAP	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ANAP	AUTO
>>Value Type	(0040,A040)	CS	NUM	ANAP	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	121033	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ANAP	AUTO
>>>Code Meaning	(0008,0104)	LO	Subject Age	ANAP	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ANAP	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ANAP	AUTO
>>>>Code Value	(0008,0100)	SH		ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO		ANAP	AUTO

Attribute Name	Tag	VR	Value	Presence of Value	Source
>>>Numeric Value	(0040,A30A)	DS		ANAP	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	121032	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Subject Sex	ALWAYS	AUTO
>>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH		ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH		ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ANAP	AUTO
>>Value Type	(0040,A040)	CS	NUM	ANAP	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	8867-4	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	LN	ANAP	AUTO
>>>Code Meaning	(0008,0104)	LO	Heart Rate. SR Document content Module may have multiple measurement results, at that case, the heart rate value is set for the last measurement.	ANAP	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ANAP	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ANAP	AUTO
>>>>Code Value	(0008,0100)	SH	“{H.B.}/min”	ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	UCUM	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Heart beat per minute	ANAP	AUTO
>>>Numeric Value	(0040,A30A)	DS		ANAP	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ANAP	AUTO
>>Value Type	(0040,A040)	CS	NUM	ANAP	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	F-008EC	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ANAP	AUTO
>>>Code Meaning	(0008,0104)	LO	Systolic Blood Pressure	ANAP	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ANAP	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ANAP	AUTO
>>>>Code Value	(0008,0100)	SH	mm[Hg]	ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	UCUM	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Millimeter of mercury	ANAP	AUTO
>>>Numeric Value	(0040,A30A)	DS		ANAP	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ANAP	AUTO
>>Value Type	(0040,A040)	CS	NUM	ANAP	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	F-008ED	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ANAP	AUTO
>>>Code Meaning	(0008,0104)	LO	Diastolic Blood Pressure	ANAP	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ANAP	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ANAP	AUTO
>>>>Code Value	(0008,0100)	SH	mm[Hg]	ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	UCUM	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Millimeter of mercury	ANAP	AUTO
>>>Numeric Value	(0040,A30A)	DS		ANAP	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ANAP	AUTO
>>Value Type	(0040,A040)	CS	NUM	ANAP	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO

Attribute Name	Tag	VR	Value	Presence of Value	Source
>>>Code Value	(0008,0100)	SH	8277-6	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	LN	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Body Surface Area	ANAP	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ANAP	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ANAP	AUTO
>>>>Code Value	(0008,0100)	SH	m2	ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	UCUM	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	M^2	ANAP	AUTO
>>>Numeric Value	(0040,A30A)	DS		ANAP	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ANAP	AUTO
>Value Type	(0040,A040)	CS	CONTAINER	ANAP	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>Code Value	(0008,0100)	SH	111028	ANAP	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ANAP	AUTO
>>Code Meaning	(0008,0104)	LO	Image Library	ANAP	AUTO
>Continuity of Content	(0040,A050)	CS	SEPARATE	ANAP	AUTO
>Content Sequence	(0040,A730)	SQ		ANAP	AUTO
>>Referenced SOP Sequence	(0008,1199)	SQ		ANAP	AUTO
>>>Referenced SOP Class UID	(0008,1150)	UI		ANAP	AUTO
>>>Referenced SOP Instance UID	(0008,1155)	UI		ANAP	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ANAP	AUTO
>>Value Type	(0040,A040)	CS	IMAGE	ANAP	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONATINER	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121070	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Findings	ALWAYS	AUTO
>Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
>Content Sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	G-C0E3	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Finding Site	ALWAYS	AUTO
>>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	CV / CSD / CM T-32600 / SRT / Left Ventricle T-32300 / SRT / Left Atrium T-32500 / SRT / Right Ventricle T-35400 / SRT / Aortic Valve T-35300 / SRT / Mitral Valve T-48581 / SRT / Pulmonary Venous Structure	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	T-35100 / SRT / Tricuspid Valve T-35200 / SRT / Pulmonic Valve 3270000 / TSBus / Right Coronary Artery 3270001 / TSBus / Left Anterior Descending Coronary Artery	ALWAYS	AUTO

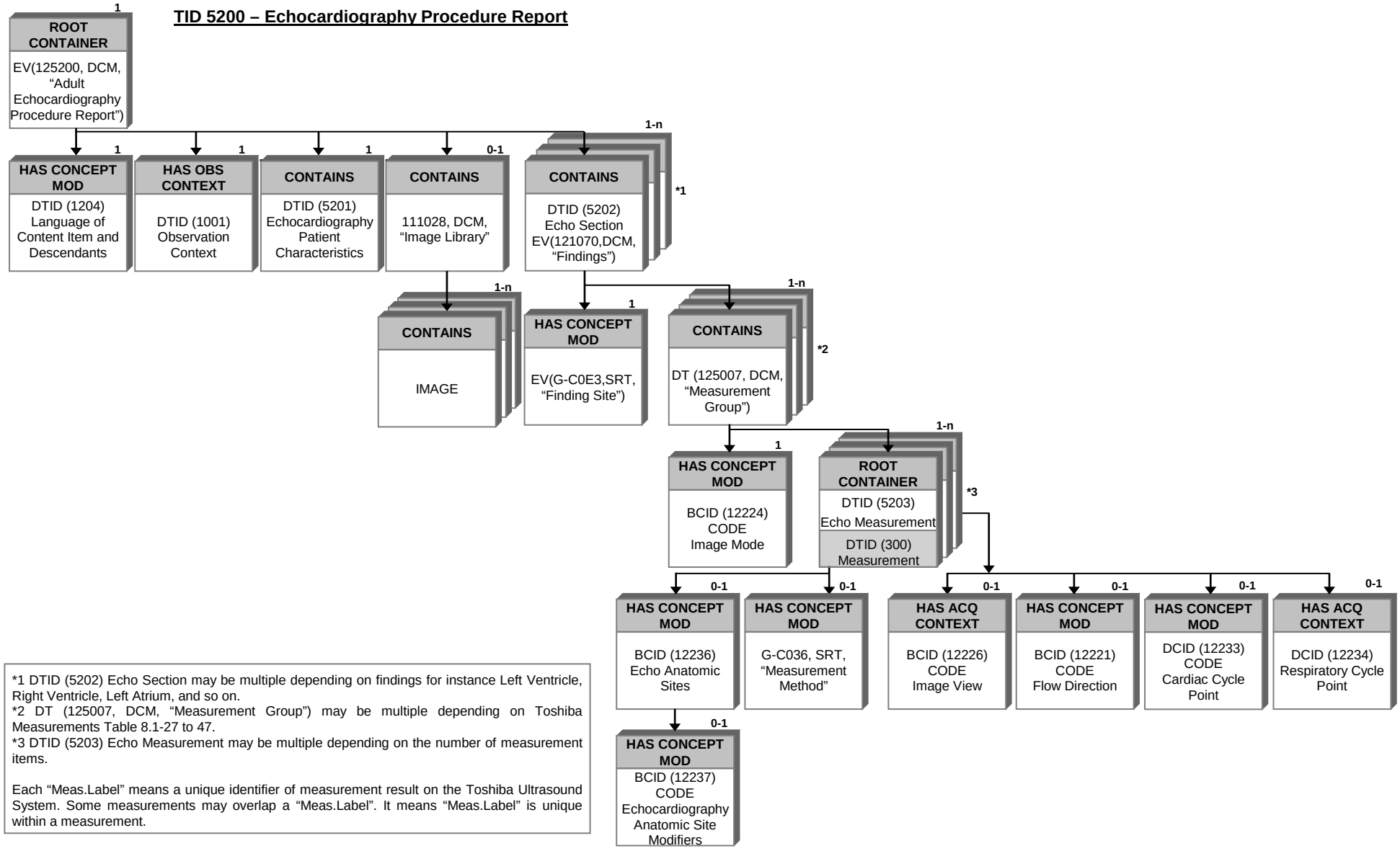
Attribute Name	Tag	VR	Value	Presence of Value	Source
>>>Code Meaning	(0008,0104)	LO	P5-30031 SRT Cardiac Shunt Study T-32200 SRT Right Atrium T-42000 SRT Aorta T-44000 SRT Pulmonary artery T-48600 SRT Vena Cava D4-30000 SRT Congenital Anomaly of Cardiovascular System	ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	125007	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Measurement Group	ALWAYS	AUTO
>>Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
>>Content Sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ANAP	AUTO
>>>Value Type	(0040,A040)	CS	CODE	ANAP	AUTO
>>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>>Code Value	(0008,0100)	SH	G-0373	ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Image Mode	ANAP	AUTO
>>>Concept Code Sequence	(0040,A168)	SQ		ANAP	AUTO
>>>>Code Value	(0008,0100)	SH	**CV** **CSD** **CM** G-03A2 SRT 2D mode G-0394 SRT M mode 03210001 TSBus Doppler Mode	ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO		ANAP	AUTO
>>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>>Code Value	(0008,0100)	SH		ALWAYS	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH		ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	Measurement name or description	ALWAYS	AUTO
>>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>>Code Value	(0008,0100)	SH		ALWAYS	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH		ALWAYS	AUTO
>>>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>>>>Numeric Value	(0040,A30A)	DS		ALWAYS	AUTO
>>>Content Sequence	(0040,A730)	SQ		ANAP	AUTO
>>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ANAP	AUTO
>>>>Value Type	(0040,A040)	CS	CODE	ANAP	AUTO
>>>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>>>Code Value	(0008,0100)	SH	G-C0E3	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO	Finding Site	ANAP	AUTO
>>>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO

Attribute Name	Tag	VR	Value	Presence of Value	Source
>>>>>Code Value	(0008,0100)	SH	CV: G-0391, CSD: SRT, CM: Medial Mitral Annulus CV: G-0392, CSD: SRT, CM: Lateral Mitral Annulus CV: T-35313, CSD: SRT, CM: Mitral Annulus CV: T-32600, CSD: SRT, CM: Left Ventricle	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	CV: T-32650, CSD: SRT, CM: Left Ventricle Outflow Tract CV: T-32550, CSD: SRT, CM: Right Ventricle Outflow Tract CV: T-35300, CSD: SRT, CM: Mitral Valve CV: T-42000, CSD: SRT, CM: Aorta	ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO	CV: T-35111, CSD: SRT, CM: Tricuspid Annulus CV: T-35410, CSD: SRT, CM: Aortic Valve Ring CV: D4-31150, CSD: SRT, CM: Ventricular Septal Defect CV: D4-31220, CSD: SRT, CM: Atrial Septal Defect	ANAP	AUTO
>>>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ANAP	AUTO
>>>>>Value Type	(0040,A040)	CS	CODE	ANAP	AUTO
>>>>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>>>>Code Value	(0008,0100)	SH	G-A1F8	ANAP	AUTO
>>>>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ANAP	AUTO
>>>>>>Code Meaning	(0008,0104)	LO	Topographical Modifier	ANAP	AUTO
>>>>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>>>>Code Value	(0008,0100)	SH	CV: R-404A0, CSD: SRT, CM: Right Upper Segment	ANAP	AUTO
>>>>>>Coding Scheme Designator	(0008,0102)	SH	CV: R-4049E, CSD: SRT, CM: Right Lower Segment CV: R-40491, CSD: SRT, CM: Left Upper Segment	ANAP	AUTO
>>>>>>Code Meaning	(0008,0104)	LO	CV: R-4214B, CSD: SRT, CM: Left Lower Segment	ANAP	AUTO
>>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ANAP	AUTO
>>>>Value Type	(0040,A040)	CS	CODE	ANAP	AUTO
>>>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>>>Code Value	(0008,0100)	SH	R-40899	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO	Respiratory Cycle Point	ANAP	AUTO
>>>>Concept Code Sequence	(0040,A168)	SQ		ANAP	AUTO
>>>>>Code Value	(0008,0100)	SH	CV: F-20010, CSD: SRT, CM: During Inspiration	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO	CV: F-20020, CSD: SRT, CM: During Expiration	ANAP	AUTO
>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ANAP	AUTO
>>>>Value Type	(0040,A040)	CS	CODE	ANAP	AUTO
>>>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>>>Code Value	(0008,0100)	SH	R-4089A	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ANAP	AUTO

Attribute Name	Tag	VR	Value	Presence of Value	Source
>>>>>Code Meaning	(0008,0104)	LO	Cardiac Cycle Point	ANAP	AUTO
>>>>Concept Code Sequence	(0040,A168)	SQ		ANAP	AUTO
>>>>>Code Value	(0008,0100)	SH	**CV** / **CSD** / **CM** F-32010 / SRT / Diastole F-32011 / SRT / End Diastole F-32020 / SRT / Systole 109070 / DCM / End Systole	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO		ANAP	AUTO
>>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ANAP	AUTO
>>>>Value Type	(0040,A040)	CS	CODE	ANAP	AUTO
>>>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>>>Code Value	(0008,0100)	SH	G-C036	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO	Measurement Method	ANAP	AUTO
>>>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>>>Code Value	(0008,0100)	SH	**CV** / **CSD** / **CM** 125204 / DCM / Area-Length Biplane 125205 / DCM / Area-Length Single Plane 125206 / DCM / Cube Method 125207 / DCM / Method of Disks, Biplane 125208 / DCM / Method of Disks, Single Plane	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	125209 / DCM / Teichholz 125210 / DCM / Area by Pressure Half-Time 125215 / DCM / Continuity Equation by Velocity Time Integral 125216 / DCM / Proximal Isovelocity Surface Area	ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO	125218 / DCM / Simplified Bernoulli 125221 / DCM / Left Ventricle Mass by M-mode 125222 / DCM / Left Ventricle Mass by Truncated Ellipse 03500000 / TSBus / Bullet Method 0317000A / TSBus / Gibson Method	ANAP	AUTO
>>>>Relationship Type	(0040,A010)	CS	ACQ CONTEXT	ANAP	AUTO
>>>>Value Type	(0040,A040)	CS	CODE	ANAP	AUTO
>>>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>>>Code Value	(0008,0100)	SH	111031	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO	Image View	ANAP	AUTO

Attribute Name	Tag	VR	Value	Presence of Value	Source
>>>>Concept Code Sequence	(0040,A168)	SQ		ANAP	AUTO
>>>>>Code Value	(0008,0100)	SH	CV: G-A19B; CSD: SRT; CM: Apical two chamber	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO	CV: G-A19C; CSD: SRT; CM: Apical four chamber	ANAP	AUTO
>>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ANAP	AUTO
>>>>Value Type	(0040,A040)	CS	CODE	ANAP	AUTO
>>>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>>>Code Value	(0008,0100)	SH	G-C048	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO	Flow Direction	ANAP	AUTO
>>>>Concept Code Sequence	(0040,A168)	SQ		ANAP	AUTO
>>>>>Code Value	(0008,0100)	SH	CV: R-42047; CSD: SRT; CM: Antegrade Flow	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO	CV: R-42E61; CSD: SRT; CM: Regurgitant Flow	ANAP	AUTO

Following Figure 8.1-1 shows same meanings of Table 8.1-25 SR Document content module in a more graphical and structural way.



*1 DTID (5202) Echo Section may be multiple depending on findings for instance Left Ventricle, Right Ventricle, Left Atrium, and so on.
*2 DT (125007, DCM, "Measurement Group") may be multiple depending on Toshiba Measurements Table 8.1-27 to 47.
*3 DTID (5203) Echo Measurement may be multiple depending on the number of measurement items.

Each "Meas.Label" means a unique identifier of measurement result on the Toshiba Ultrasound System. Some measurements may overlap a "Meas.Label". It means "Meas.Label" is unique within a measurement.

Figure 8.1-1 TID 5200 – Echocardiography Procedure Report

Table 8.1-27 to 47 shows the relationship between Toshiba unique identifiers “Meas.Label” and DICOM tags structures.
Note
: Meas.No, LV Parallel and Meas.Label are just for internal use, and those values are not output.

Table 8.1-26 Cardiac 2D-Mode LV measurement (MOD Simpson method)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0001		LVAd2	SRT	G-0375	Left Ventricular Diastolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
0002		LVLd2	LN	18077-8	Left Ventricle diastolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
0003		EDV2	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber				DCM	125208	Method of Disks, Single Plane
0007		LVAs2	SRT	G-0374	Left Ventricular systolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane
0008		LVLs2	LN	18076-0	Left Ventricle systolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane
0009		ESV2	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber				DCM	125208	Method of Disks, Single Plane
0013		LVAd4	SRT	G-0375	Left Ventricular Diastolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
0014		LVLd4	LN	18077-8	Left Ventricle diastolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
0015		EDV4	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber				DCM	125208	Method of Disks, Single Plane
0019		LVAs4	SRT	G-0374	Left Ventricular systolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane
0020		LVLs4	LN	18076-0	Left Ventricle systolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0021		ESV4	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber				DCM	125208	Method of Disks, Single Plane
0025		LAa4	TSBus	03010002	Left Atrium Area	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
0026		LAd4	TSBus	03010003	Left Atrium major axis	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
0027		LAV4	TSBus	03010004	Left Atrium Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
0031		LAa2	TSBus	03010002	Left Atrium Area	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
0032		LAd2	TSBus	03010003	Left Atrium major axis	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
0033		LAV2	TSBus	03010004	Left Atrium Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
0037		LA W	TSBus	03010005	Left Atrium Width	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole			
0039		LA H	TSBus	03010006	Left Atrium Height	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole			
0041		LA D	TSBus	03010007	Left Atrium Depth	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole			
0043		HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode									
0045		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125207	Method of Disks, Biplane
0047		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125207	Method of Disks, Biplane
0049		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125207	Method of Disks, Biplane

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0051		CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125207	Method of Disks, Biplane
0053		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125207	Method of Disks, Biplane
0055		SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125207	Method of Disks, Biplane
0057		CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125207	Method of Disks, Biplane
0059		SV4	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
0061		CO4	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
0063		EF4	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber				DCM	125208	Method of Disks, Single Plane
0065		SI4	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
0067		CI4	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
0069		SV2	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
0071		CO2	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
0073		EF2	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber				DCM	125208	Method of Disks, Single Plane
0075		SI2	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0077		CI2	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
0079		LVLd Diff	TSBus	03010000	LV_Ldiff_d_BP MOD	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole			
0080		LVLs Diff	TSBus	03010001	LV_Ldiff_s_BP MOD	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole			
0083		LAV	TSBus	0301000B	Left Atrium Volume Biplane Method of Disks.	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125207	Method of Disks, Biplane
0085		LAVI	TSBus	0301000C	Left Atrium Volume Index	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole			
0087		LAVI2	TSBus	0301000C	Left Atrium Volume Index	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
0089		LAVI4	TSBus	0301000C	Left Atrium Volume Index	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
0091		LA_Vol	TSBus	0301000F	Left Atrium Volume 3 axis method	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole			
0093		LA_VI	TSBus	0301000A	Left Atrium Volume Index 3 axis method	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole			
0095		LAV(AL)	TSBus	03010010	Left Atrium Volume Biplane Area-Length	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125204	Area-Length Biplane
0097		LAVI(AL)	TSBus	0301000C	Left Atrium Volume Index	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125204	Area-Length Biplane

Table 8.1-27 Cardiac 2D-Mode LV measurement (Teichholz method)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0150	4 Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0155		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0161		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125209	Teichholz
0167		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
1127		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125209	Teichholz
1129		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125209	Teichholz
1131		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125209	Teichholz
0154	3 Section	IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0160		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125209	Teichholz
0166		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0172		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125209	Teichholz
0176		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125209	Teichholz
0180		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125209	Teichholz
0099		HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125209	Teichholz
0149	1Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0153		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0159		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125209	Teichholz
0165		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0171		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125209	Teichholz
0175		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125209	Teichholz
0179		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125209	Teichholz
0101		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125209	Teichholz

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0103		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125209	Teichholz
0105		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125209	Teichholz
0107		CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125209	Teichholz
0109		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125209	Teichholz
0111		FS	LN	18051-3	Left Ventricular Fractional Shortening	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode									
0113		SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125209	Teichholz
0115		CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125209	Teichholz
0117		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030002	Mass ASECube with Teichholz
0119		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030003	Mass PennCube with Teichholz
0121		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030004	Mass Teichholz with Teichholz
0123		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030005	Mass AVCube with Teichholz
0125		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030002	Mass ASECube with Teichholz
0127		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030003	Mass PennCube with Teichholz
0129		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030004	Mass Teichholz with Teichholz

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0131		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030005	Mass AVCube with Teichholz
0133		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030002	Mass ASECube with Teichholz
0135		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030003	Mass PennCube with Teichholz
0137		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030004	Mass Teichholz with Teichholz
0139		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030005	Mass AVCube with Teichholz
0141		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030002	Mass ASECube with Teichholz
0143		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030003	Mass PennCube with Teichholz
0145		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030004	Mass Teichholz with Teichholz
0147		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030005	Mass AVCube with Teichholz

Table 8.1-28 Cardiac 2D-Mode LV measurement (Cube method)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0234	4Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0239		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0245		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125206	Cube Method
0251		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
1133		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125206	Cube Method
1135		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125206	Cube Method
1137		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125206	Cube Method
0256	3Section	IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125206	Cube Method
0260		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125206	Cube Method
0264		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125206	Cube Method
0238		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0244		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125206	Cube Method
0250		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0183		HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125206	Cube Method
0233	1Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0237		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0243		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125206	Cube Method
0249		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0255		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125206	Cube Method
0259		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125206	Cube Method
0263		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125206	Cube Method
0185		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125206	Cube Method

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0187		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125206	Cube Method
0189		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125206	Cube Method
0191		CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125206	Cube Method
0193		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125206	Cube Method
0195		FS	LN	18051-3	Left Ventricular Fractional Shortening	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode									
0197		SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125206	Cube Method
0199		CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125206	Cube Method
0201		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030006	Mass ASECube with Cube
0203		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030007	Mass PennCube with Cube
0205		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030008	Mass Teichholz with Cube
0207		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030009	Mass AVCube with Cube
0209		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030006	Mass ASECube with Cube
0211		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030007	Mass PennCube with Cube
0213		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030008	Mass Teichholz with Cube

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0215		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030009	Mass AVCube with Cube
0217		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030006	Mass ASECube with Cube
0219		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030007	Mass PennCube with Cube
0221		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030008	Mass Teichholz with Cube
0223		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030009	Mass AVCube with Cube
0225		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030006	Mass ASECube with Cube
0227		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030007	Mass PennCube with Cube
0229		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030008	Mass Teichholz with Cube
0231		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030009	Mass AVCube with Cube

Table 8.1-29 Cardiac 2D-Mode LV measurement (Gibson method)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0318	4Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0323		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0329		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	0317000A	Gibson Method
0335		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
1139		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
1141		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
1143		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0340	3Section	IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0344		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0348		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0322		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0328		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	0317000A	Gibson Method
0334		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0267		HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	0317000A	Gibson Method
0317	1Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0321		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0327		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	0317000A	Gibson Method
0333		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0339		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0343		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0347		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0269		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	0317000A	Gibson Method
0271		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	0317000A	Gibson Method
0273		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
0275		CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
0277		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	0317000A	Gibson Method
0279		FS	LN	18051-3	Left Ventricular Fractional Shortening	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode									
0281		SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
0283		CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
0285		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000A	Mass ASECube with Gibson
0287		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000B	Mass PennCube with Gibson
0289		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000C	Mass Teichholz with Gibson

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0291		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000D	Mass AVCube with Gibson
0293		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000A	Mass ASECube with Gibson
0295		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000B	Mass PennCube with Gibson
0297		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000C	Mass Teichholz with Gibson
0299		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000D	Mass AVCube with Gibson
0301		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000A	Mass ASECube with Gibson
0303		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000B	Mass PennCube with Gibson
0305		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000C	Mass Teichholz with Gibson
0307		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000D	Mass AVCube with Gibson
0309		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000A	Mass ASECube with Gibson
0311		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000B	Mass PennCube with Gibson

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0313		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000C	Mass Teichholz with Gibson
0315		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000D	Mass AVCube with Gibson

Table 8.1-30 Cardiac 2D-Mode LV measurement (Single plane method)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0351		LVALd	SRT	G-0375	Left Ventricular Diastolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	SRT	F-32011	End Diastole	DCM	125205	Area-Length Single Plane
0353		LVALs	SRT	G-0374	Left Ventricular Systolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	DCM	109070	End Systole	DCM	125205	Area-Length Single Plane
0355		LVLd	LN	18077-8	Left Ventricle diastolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125205	Area-Length Single Plane
0357		LVLs	LN	18076-0	Left Ventricle systolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	DCM	125205	Area-Length Single Plane
0359		HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125205	Area-Length Single Plane
0361		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125205	Area-Length Single Plane
0363		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125205	Area-Length Single Plane
0365		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125205	Area-Length Single Plane
0367		CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125205	Area-Length Single Plane
0369		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125205	Area-Length Single Plane
0371		SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125205	Area-Length Single Plane
0373		CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125205	Area-Length Single Plane

Table 8.1-31 Cardiac 2D-Mode LV measurement (Biplane method)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0375		LVALd	LN	G-0375	Left Ventricular Diastolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	SRT	F-32011	End Diastole	DCM	125204	Area-Length Biplane
0377		LVAMd	LN	G-0375	Left Ventricular Diastolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-039A	Parasternal short axis at the Mitral Valve level	SRT	F-32011	End Diastole	DCM	125204	Area-Length Biplane
0379		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis				DCM	125204	Area-Length Biplane
0381		LVALs	SRT	G-0374	Left Ventricular Systolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	DCM	109070	End Systole	DCM	125204	Area-Length Biplane
0383		LVAMs	SRT	G-0374	Left Ventricular Systolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-039A	Parasternal short axis at the Mitral Valve level	DCM	109070	End Systole	DCM	125204	Area-Length Biplane
0385		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	DCM	109070	End Systole	DCM	125204	Area-Length Biplane
0387		HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125204	Area-Length Biplane
0389		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125204	Area-Length Biplane
0391		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125204	Area-Length Biplane
0393		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125204	Area-Length Biplane
0395		CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125204	Area-Length Biplane
0397		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125204	Area-Length Biplane
0399		SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125204	Area-Length Biplane

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0401		CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125204	Area-Length Biplane

Table 8.1-32 Cardiac 2D-Mode LV measurement (Bullet method)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0403		LVAMd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-039A	Parasternal short axis at the Mitral Valve level				TSBus	03500000	Bullet Method
0405		LVLd	LN	18077-8	Left Ventricle diastolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	SRT	F-32011	End Diastole	TSBus	03500000	Bullet Method
0407		LVAMs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-039A	Parasternal short axis at the Mitral Valve level	DCM	109070	End Systole	TSBus	03500000	Bullet Method
0409		LVLs	LN	18076-0	Left Ventricle systolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	DCM	109070	End Systole	TSBus	03500000	Bullet Method
0411		HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	03500000	Bullet Method
0413		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	03500000	Bullet Method
0415		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	03500000	Bullet Method
0417		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	TSBus	03500000	Bullet Method
0419		CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	TSBus	03500000	Bullet Method
0421		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	03500000	Bullet Method
0423		SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	TSBus	03500000	Bullet Method
0425		CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	TSBus	03500000	Bullet Method

Table 8.1-33 Cardiac M-Mode Aortic Valve measurement

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0427		Ao Diam	LN	18015-8	Aortic Root Diameter	SRT	T-35400	Aortic Valve							DCM	109070	End Systole			
0429		LA Diam	TSBus	030D0001	Left atrial diameter	SRT	T-35400	Aortic Valve							SRT	F-32011	End Diastole			
0431		ET	LN	18041-4	Aortic Valve Ejection Time	SRT	T-35400	Aortic Valve	SRT	G-0394	M mode				SRT	F-32020	Systole			
0433		AoV Diam	LN	17996-0	Aortic Valve Cusp Separation	SRT	T-35400	Aortic Valve	SRT	G-0394	M mode				DCM	109070	End Systole			
0435		LA/Ao	LN	17985-3	Left Atrium to Aortic Root Ratio	SRT	T-35400	Aortic Valve	SRT	G-0394	M mode									

Table 8.1-34 Cardiac M-ModeMitral Valve measurement

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0437		EPSS	LN	18036-4	Mitral Valve EPSS, E wave	SRT	T-35300	Mitral Valve	SRT	G-0394	M mode									
0439		EF Slope	LN	18040-6	Mitral Valve E-F Slope by M-Mode	SRT	T-35300	Mitral Valve	SRT	G-0394	M mode									
0441		CE Amp	TSBus	030F0002	E-wave amplitude	SRT	T-35300	Mitral Valve	SRT	G-0394	M mode									
0443		CA Amp	TSBus	030F0003	A-wave amplitude	SRT	T-35300	Mitral Valve	SRT	G-0394	M mode									
0445		DE Amp	TSBus	030F0001	DE-wave amplitude	SRT	T-35300	Mitral Valve	SRT	G-0394	M mode									
0447		DE Slope	TSBus	030F0000	Mitral valve opening rate	SRT	T-35300	Mitral Valve	SRT	G-0394	M mode									
0449		CA/CE	LN	18038-0	Mitral Valve E to A Ratio	SRT	T-35300	Mitral Valve	SRT	G-0394	M mode									

Table 8.1-35 Cardiac M-Mode LV measurement (Teichholz method)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0506	4Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0511		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0517		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125209	Teichholz
0523		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
1145		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125209	Teichholz
1147		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125209	Teichholz
1149		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125209	Teichholz
0510	3Section	IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0516		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125209	Teichholz
0522		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0528		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125209	Teichholz
0532		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125209	Teichholz
0536		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125209	Teichholz
0453		HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125209	Teichholz
0451	1Section	ET	DCM	122211	Left Ventricular ejection time	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	DCM	125209	Teichholz
0509		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0505		RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0515		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125209	Teichholz
0521		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125209	Teichholz
0527		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125209	Teichholz
0531		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125209	Teichholz
0535		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125209	Teichholz
0455		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125209	Teichholz
0457		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125209	Teichholz
0459		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	DCM	125209	Teichholz
0461		CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	DCM	125209	Teichholz
0463		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125209	Teichholz
0465		FS	LN	18051-3	Left Ventricular Fractional Shortening	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode									
0467		SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	DCM	125209	Teichholz
0469		CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	DCM	125209	Teichholz
0471		MVCF	TSBus	031B0000	M_LV_MVCFS	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode									
0473		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030002	Mass ASECube with Teichholz

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0475		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030003	Mass PennCube with Teichholz
0477		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030004	Mass Teichholz with Teichholz
0479		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030005	Mass AVCube with Teichholz
0481		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030002	Mass ASECube with Teichholz
0483		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030003	Mass PennCube with Teichholz
0485		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030004	Mass Teichholz with Teichholz
0487		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030005	Mass AVCube with Teichholz
0489		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030002	Mass ASECube with Teichholz
0491		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030003	Mass PennCube with Teichholz
0493		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030004	Mass Teichholz with Teichholz
0495		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030005	Mass AVCube with Teichholz
0497		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030002	Mass ASECube with Teichholz
0499		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030003	Mass PennCube with Teichholz

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0501		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030004	Mass Teichholz with Teichholz
0503		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030005	Mass AVCube with Teichholz

Table 8.1-36 Cardiac M-Mode LV measurement (Cube method)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0594	4Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0599		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0605		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125206	Cube Method
0611		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
1151		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125206	Cube Method
1153		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125206	Cube Method
1155		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125206	Cube Method
0598	3Section	IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0604		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125206	Cube Method
0610		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0616		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125206	Cube Method
0620		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125206	Cube Method
0624		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125206	Cube Method
0541		HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125206	Cube Method
0539	1Section	ET	DCM	122211	Left Ventricular ejection time	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	DCM	125206	Cube Method
0593		RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0597		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0603		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125206	Cube Method
0609		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	DCM	125206	Cube Method
0615		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125206	Cube Method
0619		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125206	Cube Method
0623		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	DCM	125206	Cube Method
0543		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125206	Cube Method
0545		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125206	Cube Method
0547		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	DCM	125206	Cube Method
0549		CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	DCM	125206	Cube Method
0551		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125206	Cube Method
0553		FS	LN	18051-3	Left Ventricular Fractional Shortening	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode									
0555		SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	DCM	125206	Cube Method
0557		CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	DCM	125206	Cube Method
0559		MVCF	TSBus	031B0000	M_LV_MVCFS	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode									
0561		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030006	Mass ASECube with Cube

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0563		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030007	Mass PennCube with Cube
0565		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030008	Mass Teichholz with Cube
0567		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030009	Mass AVCube with Cube
0569		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030006	Mass ASECube with Cube
0571		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030007	Mass PennCube with Cube
0573		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030008	Mass Teichholz with Cube
0575		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030009	Mass AVCube with Cube
0577		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030006	Mass ASECube with Cube
0579		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030007	Mass PennCube with Cube
0581		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030008	Mass Teichholz with Cube
0583		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030009	Mass AVCube with Cube
0585		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030006	Mass ASECube with Cube

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0587		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030007	Mass PennCube with Cube
0589		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030008	Mass Teichholz with Cube
0591		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030009	Mass AVCube with Cube

Table 8.1-37 Cardiac M-Mode LV measurement (Gibson method)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0682	4Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0687		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0693		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							TSBus	0317000A	Gibson Method
0699		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
1157		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
1159		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
1161		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0686	3Section	IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0692		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							TSBus	0317000A	Gibson Method
0698		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0704		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0708		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0712		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0629		HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							TSBus	0317000A	Gibson Method
0681	1Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0627		ET	DCM	122211	Left Ventricular ejection time	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	TSBus	0317000A	Gibson Method

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0685		IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0691		LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							TSBus	0317000A	Gibson Method
0697		LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
0703		IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0707		LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0711		LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0317000A	Gibson Method
0631		EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							TSBus	0317000A	Gibson Method
0633		ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							TSBus	0317000A	Gibson Method
0635		SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
0637		CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
0639		EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							TSBus	0317000A	Gibson Method
0641		FS	LN	18051-3	Left Ventricular Fractional Shortening	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode									
0643		SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
0645		CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
0647		MVCF	TSBus	031B0000	M_LV_MVCFS	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode									
0649		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0303000A	Mass ASECube with Gibson

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0651		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0303000B	Mass PennCube with Gibson
0653		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0303000C	Mass Teichholz with Gibson
0655		LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0303000D	Mass AVCube with Gibson
0657		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0303000A	Mass ASECube with Gibson
0659		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0303000B	Mass PennCube with Gibson
0661		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0303000C	Mass Teichholz with Gibson
0663		LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	0303000D	Mass AVCube with Gibson
0665		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0303000A	Mass ASECube with Gibson
0667		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0303000B	Mass PennCube with Gibson
0669		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0303000C	Mass Teichholz with Gibson
0671		LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0303000D	Mass AVCube with Gibson
0673		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0303000A	Mass ASECube with Gibson
0675		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0303000B	Mass PennCube with Gibson
0677		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0303000C	Mass Teichholz with Gibson

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0679		LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	0303000D	Mass AVCube with Gibson

Table 8.1-38 Cardiac Doppler-Mode Aortic Valve measurement

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0715		AoV VTI	LN	20354-7	Velocity Time Integral	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
0716		AoV VM	LN	20352-1	Mean Velocity	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
0717		AoV VP	LN	11726-7	Peak Velocity	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
0718		AoV MPG	DCM	122197	Gradient pressure, average	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
0719		AoV PPG	DCM	122198	Gradient pressure, peak	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
0725		LVOT VTI	LN	20354-7	Velocity Time Integral	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
0726		LVOT VM	LN	20352-1	Mean Velocity	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
0727		LVOT VP	LN	11726-7	Peak Velocity	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
0728		LVOT MPG	DCM	122197	Gradient pressure, average	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
0729		LVOT PPG	DCM	122198	Gradient pressure, peak	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
0735		LVOT Diam	SRT	G-038F	Cardiovascular Orifice Diameter	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	DCM	109070	End Systole						
0737		AcT	LN	20168-1	Acceleration Time	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode									
0739		ET	LN	18041-4	Aortic Valve Ejection Time	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole						
0741		AoV Vel	LN	11653-3	End Diastolic Velocity	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode				SRT	R-42047	Antegrade Flow			
0742		AoV PG	LN	20247-3	Peak Gradient	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
0745		LVOT Vel	LN	11653-3	End Diastolic Velocity	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode				SRT	R-42047	Antegrade Flow			
0746		LVOT PG	LN	20247-3	Peak Gradient	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0749		AR VM	LN	20352-1	Mean Velocity	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0750		AR VP	LN	11726-7	Peak Velocity	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0751		AR MPG	DCM	122197	Gradient pressure, average	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli
0752		AR PPG	DCM	122198	Gradient pressure, peak	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli
0757		AR Vmax	TSBus	03070006	AR Vmax	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0758		AR Ved	TSBus	03070007	AR Ved	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0759		Time	LN	20217-6	Deceleration Time	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0760		DecelRate	LN	20216-8	Deceleration Slope	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0761		AR PGmax	TSBus	03070008	AR PGmax	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0762		AR PGed	TSBus	03070009	AR PGed	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0769		Ao Diam	LN	18015-8	Aortic Root Diameter	SRT	T-35400	Aortic Valve	SRT	G-03A2	2D mode	DCM	109070	End Systole						
0771		LA Diam	TSBus	030D0001	Left atrial diameter	SRT	T-35400	Aortic Valve	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole						
0773		HR	LN	8867-4	Heart rate	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode									
0775		LVOT SV	SRT	F-32120	Stroke Volume	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole						
0777		LVOT CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole						
0779		LVOT SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole						
0781		LVOT CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole						

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0783		AoV Area	SRT	F-0231F	Aortic Valve Area	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole				DCM	125215	Continuity Equation by Velocity Time Integral
0785		AoV Area Index	TSBus	03070000	AoV Area Index	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole				DCM	125215	Continuity Equation by Velocity Time Integral
0787		LA/Ao	LN	17985-3	Left Atrium to Aortic Root Ratio	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode									
0789		PHT	LN	20280-4	Pressure Half-Time	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode									
0791		Qp/Qs (SV)	LN	29462-9	Pulmonary-to-Systemic Shunt Flow Ratio	SRT	P5-30031	Cardiac Shunt Study	TSBus	03210001	Doppler mode							TSBus	0307000B	Equation by Stroke volume
0793		Qp/Qs (CO)	LN	29462-9	Pulmonary-to-Systemic Shunt Flow Ratio	SRT	P5-30031	Cardiac Shunt Study	TSBus	03210001	Doppler mode							TSBus	0307000C	Equation by Cardiac Output
0795		AcT/ET	SRT	G-0382	Ratio of Aortic Valve Acceleration Time to Ejection Time	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode									
0797		RF (AoV)	SRT	G-0390	Regurgitant Fraction	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode				SRT	R-42E61	Regurgitant Flow			
0799		R Vol (AoV)	TSBus	0309000D	Regurgitation volume	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode				SRT	R-42E61	Regurgitant Flow			
0801		LVOT/AoV (VP)	TSBus	03070001	LVOT/AoV (VP)	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole						
0803		LVOT/AoV (VTI)	TSBus	03070002	LVOT/AoV (VTI)	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole						
0805		LVOT/AoV (Vel)	TSBus	03070003	LVOT/AoV (Vel)	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole						

Table 8.1-39 Cardiac Doppler-Mode Mitral Valve measurement

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0807		A' lat	TSBus	03090004	Myocardial Velocity of A' lat	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0809		E' sep	TSBus	0309000E	Myocardial Velocity of E' sep	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0811		A' sep	TSBus	0309000F	Myocardial Velocity of A' sep	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0813		E Dur	TSBus	03090001	Mitral Valve E-wave duration	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0815		A Dur	SRT	G-0385	Mitral Valve A-Wave Duration	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0817		IVRT	TSBus	03090002	Isovelocity relaxation time	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode												
0819		MV VTI	LN	20354-7	Velocity Time Integral	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0820		MV VP	LN	11726-7	Peak Velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0821		MV VM	LN	20352-1	Mean Velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0822		MV PPG	DCM	122198	Gradient pressure, peak	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
0823		MV MPG	DCM	122197	Gradient pressure, average	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
0829		MV DistA	SRT	G-038F	Cardiovascular Orifice Diameter	SRT	T-35300	Mitral Valve	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32010	Diastole						
0831		MV DistB	SRT	G-038F	Cardiovascular Orifice Diameter	SRT	T-35300	Mitral Valve	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32010	Diastole						

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0833		MV Area (2D)	SRT	F-02320	Mitral Valve Area	SRT	T-35300	Mitral Valve	SRT	G-03A2	2D mode				SRT	F-32010	Diastole				DCM	125220	Planimetry
0835		HR	LN	8867-4	Heart rate	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode												
0837		E/A	LN	18038-0	Mitral Valve E to A Ratio	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0839		A/E	TSBus	03090000	Mitral Valve A to E Ratio	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0843		MV SV	SRT	F-32120	Stroke Volume	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0845		MV CO	SRT	F-32100	Cardiac Output	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0847		MV SI	SRT	F-00078	Stroke Index	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0849		MV CI	SRT	F-32110	Cardiac Index	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0851		MVArea PHT	SRT	F-02320	Mitral Valve Area	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole				DCM	125210	Area by Pressure Half-Time
0884		dP/dt	LN	18035-6	Mitral Regurgitation dP/dt derived from Mitral Reg. velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow			
0855		RF (MV)	SRT	G-0390	Regurgitant Fraction	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode							SRT	R-42E61	Regurgitant Flow			
0857		R Vol (MV)	TSBus	0309000D	Regurgitation volume	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode							SRT	R-42E61	Regurgitant Flow			
0859		Diff A Dur	TSBus	0309000C	Diff A Dur	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode												
0861		E' Vel	TSBus	03090010	Mean Myocardial Velocity of E' sep and E' lat	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0863		A' Vel	TSBus	03090011	Mean Myocardial Velocity of A' sep and A' lat	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0865		E/E' sep	TSBus	03090012	Ratio of Mitral Valve E to E' sep	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0867		E/E' lat	TSBus	03090014	Ratio of Mitral Valve E to E' lat	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0869		E/E'	TSBus	03090013	Ratio of Mitral Valve E to E'	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0871		E Vel	LN	18037-2	Mitral Valve E-Wave Peak Velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0872		E Vel (EPeakVmax_DCT)	LN	18037-2	Mitral Valve E-Wave Peak Velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0873		E Vel (EPeakVmax_DCTPHT)	LN	18037-2	Mitral Valve E-Wave Peak Velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0875		A Vel	LN	17978-8	Mitral Valve A-Wave Peak Velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0877		E' lat	TSBus	03090003	Myocardial Velocity of E' lat	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0878		DcT	SRT	G-0384	Mitral Valve E-Wave Deceleration Time	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0879		DcT (EPeakVmax_DCT)	SRT	G-0384	Mitral Valve E-Wave Deceleration Time	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0880		DcT (EPeakVmax_DCTPHT)	SRT	G-0384	Mitral Valve E-Wave Deceleration Time	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0882		PHT	LN	20280-4	Pressure Half-Time	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0883		PHT (EPeakVmax_DCTPHT)	LN	20280-4	Pressure Half-Time	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0885		dP/dt (DPDTM1M3)	LN	18035-6	Mitral Regurgitation dP/dt derived from Mitral Reg. velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow			
0886		Vel1	TSBus	03090009	D_MV_DPDTM1M3_s_MCR_VELOCITY_1	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0887		Vel1 (DPDTM1M3)	TSBus	03090009	D_MV_DPDTM1M3_s_MCR_VELOCITY_1	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0888		Vel2	TSBus	0309000A	D_MV_DPDTM1M3_s_MCR_VELOCITY_2	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0889		Vel2 (DPDTM1M3)	TSBus	0309000A	D_MV_DPDTM1M3_s_MCR_VELOCITY_2	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0890		dt	TSBus	03090008	D_MV_DPDTM1M3_s_MCR_TIME	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0891		dt(DPDTM1M3)	TSBus	03090008	D_MV_DPDTM1M3_s_MCR_TIME	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						

Table 8.1-40 Cardiac Doppler-Mode Pulmonary vein blood flow waveform measurement

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0913		S1 Vel	TSBus	03130001	S1-wave velocity	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0915		S2 Vel	LN	29450-4	Pulmonary Vein Systolic Peak Velocity	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0917		D Vel	LN	29451-2	Pulmonary Vein Diastolic Peak Velocity	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0919		DcT	LN	20217-6	Deceleration Time	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0921		PVA Vel	TSBus	03130002	AR-wave velocity	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode												
0923		PVA Dur	SRT	G-038B	Pulmonary Vein A-Wave Duration	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode												
0925		S VTI	SRT	G-038C	Pulmonary Vein S-Wave Velocity Time Integral	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0927		D VTI	SRT	G-038D	Pulmonary Vein D-Wave Velocity Time Integral	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0929		S/D	LN	29452-0	Pulmonary Vein Systolic to Diastolic Ratio	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode												
0931		Sys.Fract	TSBus	03130000	PVein_SF	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode												

Table 8.1-41 Cardiac Doppler-Mode Tricus measurement

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0935		TV E Vel	LN	18031-5	Tricuspid Valve E Wave Peak Velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0937		TV A Vel	LN	18030-7	Tricuspid Valve A Wave Peak Velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0939		TV DcT	LN	20217-6	Deceleration Time	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
0941		TV VTI d	LN	20354-7	Velocity Time Integral	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0942		TV VP d	LN	11726-7	Peak Velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0943		TV VM d	LN	20352-1	Mean Velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
0944		TV PPG d	DCM	122198	Gradient pressure, peak	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
0945		TV MPG d	DCM	122197	Gradient pressure, average	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
0951		TR VTI s	LN	20354-7	Velocity Time Integral	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow			
0952		TR VP s	LN	11726-7	Peak Velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow			
0953		TR VM s	LN	20352-1	Mean Velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow			
0954		TR PPG s	DCM	122198	Gradient pressure, peak	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli
0955		TR MPG s	DCM	122197	Gradient pressure, average	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli
0961		TR Vmax	TSBus	03150001	MaximumTricuspid Valve regurgitation velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow			
0962		TR PGmax	TSBus	03150002	MaximumTricuspid Valve regurgitation pressure gradient	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow			

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0965		RA Press	SRT	F-03DE9	Right Atrial Pressure	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode												
0967		RVs Press	SRT	F-03DFE	Right Ventricular Systolic Pressure	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode												
0969		E/A	LN	18039-8	Tricuspid Valve E to A Ratio	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode												
0971		A/E	TSBus	03150000	Tricuspid Valve A to E ratio	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode												

Table 8.1-42 Cardiac Doppler-Mode Pulmonary valve measurement

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0973		PV VTI	LN	20354-7	Velocity Time Integral	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
0974		PV VP	LN	11726-7	Peak Velocity	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
0975		PV VM	LN	20352-1	Mean Velocity	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
0976		PV PPG	DCM	122198	Gradient pressure, peak	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
0977		PV MPG	DCM	122197	Gradient pressure, average	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
0983		PV Diam	SRT	M-02550	Diameter	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0985		HR	LN	8867-4	Heart rate	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode												

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0987		RV PEP	TSBus	030B0002	Doppler-mode time measurement	SRT	T-32500	Right Ventricle	TSBus	03210001	Doppler mode												
0989		RV AcT	LN	20168-1	Acceleration Time	SRT	T-32500	Right Ventricle	TSBus	03210001	Doppler mode												
0991		RV ET	DCM	122213	Right Ventricular Ejection Time	SRT	T-32500	Right Ventricle	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
0993		PR VTI	LN	20354-7	Velocity Time Integral	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0994		PR VP	LN	11726-7	Peak Velocity	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0995		PR VM	LN	20352-1	Mean Velocity	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
0996		PR PPG	DCM	122198	Gradient pressure, peak	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli
0997		PR MPG	DCM	122197	Gradient pressure, average	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli
1003		PR Ved	LN	11653-3	End Diastolic Velocity	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode							SRT	R-42E61	Regurgitant Flow			
1004		PR PGed	TSBus	030B0003	Pressure gradient on PV regurgitation waveform	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32011	End Diastole	SRT	R-42E61	Regurgitant Flow			
1007		PV Vmax	TSBus	030B0006	PV Vmax	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Diastole	SRT	R-42047	Antegrade Flow			
1008		PV PGmax	TSBus	030B0007	PV PGmax	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
1011		RA Press	SRT	F-03DE9	Right Atrial Pressure	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode												
1013		AcT/ET	SRT	G-0388	Ratio of Pulmonic Valve Acceleration Time to Ejection Time	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode												

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1015		STI	TSBus	030B0000	P_HT_STI	SRT	T-32500	Right Ventricle	TSBus	03210001	Doppler mode												
1017		PV SV	SRT	F-32120	Stroke Volume	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
1019		PV CO	SRT	F-32100	Cardiac Output	SRT	T-32500	Right Ventricle	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
1021		PV SI	SRT	F-00078	Stroke Index	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
1023		PV CI	SRT	F-32110	Cardiac Index	SRT	T-32500	Right Ventricle	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
1029		PAs Press	TSBus	030B0001	P_HT_PAPed	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode												

Table 8.1-43 Extra Measurements LV Mass AL (Area-Length)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1031		A epi	TSBus	03400006	Epicardium area	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						
1033		A endo	TSBus	03400007	Endocardium area	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						
1035		LVL	LN	18077-8	Left Ventricle diastolic major axis	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						
1037		t	TSBus	03400001	myocardial thickness	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						
1039		LV Mass	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						
1041		MassIdx	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						

Table 8.1-44 Extra Measurements LV Mass TE (Truncated Ellipsoid)

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1043		A epi	TSBus	03400006	Epicardium area	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						
1045		A endo	TSBus	03400007	Endocardium area	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						
1047		a	TSBus	03230000	B_LV_LenSMA_d	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						
1049		d	TSBus	03230003	B_LV_LenTSMA_d	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						
1051		t	TSBus	03400001	myocardial thickness	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole				DCM	125222	Left Ventricle Mass by Truncated Ellipse
1053		LV Mass	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole				DCM	125222	Left Ventricle Mass by Truncated Ellipse
1055		MassIdx	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						

Table 8.1-45 Extra Measurements PISA

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1057		Radius	TSBus	03250001	Radius	SRT	T-32600	Left Ventricle															
1059		Alias Vel	TSBus	03250002	Alias Velocity	SRT	T-32600	Left Ventricle															
1061		VP	LN	11726-7	Peak Velocity	SRT	T-32600	Left Ventricle										SRT	R-42E61	Regurgitant Flow			
1062		VTI	LN	20354-7	Velocity Time Integral	SRT	T-32600	Left Ventricle										SRT	R-42E61	Regurgitant Flow			

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1063		PPG	DCM	122198	Gradient pressure, peak	SRT	T-32600	Left Ventricle										SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli
1064		MPG	DCM	122197	Gradient pressure, average	SRT	T-32600	Left Ventricle										SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli
1069		Flow Rate	LN	34141-2	Peak Instantaneous Flow Rate	SRT	T-32600	Left Ventricle										SRT	R-42E61	Regurgitant Flow			
1071		EOArea	TSBus	03250003	Effective Opening area	SRT	T-32600	Left Ventricle										SRT	R-42E61	Regurgitant Flow	DCM	125216	Proximal Isovelocity Surface Area
1073		FlowVol	LN	33878-0	Volume flow	SRT	T-32600	Left Ventricle										SRT	R-42E61	Regurgitant Flow			

Table 8.1-46 Extra Measurements Coronary

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1075		RCA Base Vel	TSBus	0327000B	Flow velocity before loading	TSBus	3270000	Right Coronary Artery															
1077		RCA Hyper Vel	TSBus	0327000C	Flow velocity after loading	TSBus	3270000	Right Coronary Artery													TSBus	03270011	Coronary Vasodilation
1079		(RCA) VP base	LN	11726-7	Peak Velocity	TSBus	3270000	Right Coronary Artery															
1080		(RCA) VM base	LN	20352-1	Mean Velocity	TSBus	3270000	Right Coronary Artery															
1081		(RCA) DcT (base)	LN	20217-6	Deceleration Time	TSBus	3270000	Right Coronary Artery															
1082		(RCA) PHT (base)	LN	20280-4	Pressure Half-Time	TSBus	3270000	Right Coronary Artery															

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1087		(RCA) VP Hyper	LN	11726-7	Peak Velocity	TSBus	3270000	Right Coronary Artery													TSBus	03270011	Coronary Vasodilation
1088		(RCA) VM Hyper	LN	20352-1	Mean Velocity	TSBus	3270000	Right Coronary Artery													TSBus	03270011	Coronary Vasodilation
1089		(RCA) DcT (Hyper)	LN	20217-6	Deceleration Time	TSBus	3270000	Right Coronary Artery													TSBus	03270011	Coronary Vasodilation
1090		(RCA) PHT (Hyper)	LN	20280-4	Pressure Half-Time	TSBus	3270000	Right Coronary Artery													TSBus	03270011	Coronary Vasodilation
1095		(RCA) CFR Vel Ratio	TSBus	0327000D	Vel hyper/Vel base	TSBus	3270000	Right Coronary Artery															
1097		(RCA) CFR VP Ratio	TSBus	0327000E	VP hyper/VP base	TSBus	3270000	Right Coronary Artery															
1099		(RCA) CFR VM Ratio	TSBus	0327000F	VM hyper/VM base	TSBus	3270000	Right Coronary Artery															
1101		(LAD) Vel Base	TSBus	0327000B	Flow velocity before loading	TSBus	3270001	Left Anterior Descending Coronary Artery															
1103		(LAD) Vel Hyper	TSBus	0327000C	Flow velocity after loading	TSBus	3270001	Left Anterior Descending Coronary Artery													TSBus	03270011	Coronary Vasodilation
1105		(LAD) VP base	LN	11726-7	Peak Velocity	TSBus	3270001	Left Anterior Descending Coronary Artery															
1106		(LAD) VM base	LN	20352-1	Mean Velocity	TSBus	3270001	Left Anterior Descending Coronary Artery															
1107		(LAD) DcT (base)	LN	20217-6	Deceleration Time	TSBus	3270001	Left Anterior Descending Coronary Artery															
1108		(LAD) PHT (base)	LN	20280-4	Pressure Half-Time	TSBus	3270001	Left Anterior Descending Coronary Artery															
1113		(LAD) VP Hyper	LN	11726-7	Peak Velocity	TSBus	3270001	Left Anterior Descending Coronary Artery													TSBus	03270011	Coronary Vasodilation
1114		(LAD) VM Hyper	LN	20352-1	Mean Velocity	TSBus	3270001	Left Anterior Descending Coronary Artery													TSBus	03270011	Coronary Vasodilation
1115		(LAD) DcT (Hyper)	LN	20217-6	Deceleration Time	TSBus	3270001	Left Anterior Descending Coronary Artery													TSBus	03270011	Coronary Vasodilation
1116		(LAD) PHT (Hyper)	LN	20280-4	Pressure Half-Time	TSBus	3270001	Left Anterior Descending Coronary Artery													TSBus	03270011	Coronary Vasodilation

Meas.No.	LV Parallel	Meas. Label	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1121		(LAD) CFR Vel Ratio	TSBus	0327000D	Vel hyper/Vel base	TSBus	3270001	Left Anterior Descending Coronary Artery															
1123		(LAD) CFR VP Ratio	TSBus	0327000E	VP hyper/VP base	TSBus	3270001	Left Anterior Descending Coronary Artery															
1125		(LAD) CFR VM Ratio	TSBus	0327000F	VM hyper/VM base	TSBus	3270001	Left Anterior Descending Coronary Artery															

Table 8.1-47
SR DOCUMENT CONTENT MODULE OF CREATED ENHANCED/COMPREHENSIVE SR SOP INSTANCES FOR VASCULAR ULTRASOUND REPORT TEMPLATE

Attribute Name	Tag	VR	Value	Presence of Value	Source
Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>Code Value	(0008,0100)	SH	125100	ALWAYS	AUTO
>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>Code Meaning	(0008,0104)	LO	Vascular Ultrasound Procedure Report	ALWAYS	AUTO
Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
Content Template Sequence	(0040,A504)	SQ		ALWAYS	AUTO
Template Identifier	(0040,DB00)	CS	5100	ALWAYS	AUTO
Mapping Resource	(0008,0105)	CS	DCMR	ALWAYS	AUTO
Content Sequence	(0040,A730)	SQ		ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121049	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Language of Content Item and descendants	ALWAYS	AUTO
>Concept Code Sequence	(0040,A160)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	eng	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	ISO639-2	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	English	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	HAS OBS CONTEXT	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121005	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Observer Type	ALWAYS	AUTO
>Concept Code Sequence	(0040,A160)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121007	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Device	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121118	ALWAYS	AUTO

>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Patient Characteristics	ALWAYS	AUTO
>Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
>Content Sequence	(0040,A730)	SQ		ANAP	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ANAP	AUTO
>>Value Type	(0040,A040)	CS	NUM	ANAP	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	121033	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ANAP	AUTO
>>>Code Meaning	(0008,0104)	LO	Subject Age	ANAP	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ANAP	AUTO
>>>Numeric Value	(0040,A30A)	DS		ANAP	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ANAP	AUTO
>>>>Code Value	(0008,0100)	SH		ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO		ANAP	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	121032	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Subject Sex	ALWAYS	AUTO
>>Concept Code Sequence	(0040,A160)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH		ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH		ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ANAP	AUTO
>Value Type	(0040,A040)	CS	CONTAINER	ANAP	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>Code Value	(0008,0100)	SH	111028	ANAP	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ANAP	AUTO
>>Code Meaning	(0008,0104)	LO	Image Library	ANAP	AUTO
>Continuity of Content	(0040,A050)	CS	SEPARATE	ANAP	AUTO
>Content Sequence	(0040,A730)	SQ		ANAP	AUTO
>>Referenced SOP Sequence	(0008,1199)	SQ		ANAP	AUTO
>>>Referenced SOP Class UID	(0008,1150)	UI		ANAP	AUTO
>>>Referenced SOP Instance UID	(0008,1155)	UI		ANAP	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ANAP	AUTO
>>Value Type	(0040,A040)	CS	IMAGE	ANAP	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO

<table>
<tr><td>>Value Type</td><td>(0040,A040)</td><td>CS</td><td>CONATINER</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>Concept Name Code Sequence</td><td>(0040,A043)</td><td>SQ</td><td></td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>Code Value</td><td>(0008,0100)</td><td>SH</td><td>121111</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>Coding Scheme Designator</td><td>(0008,0102)</td><td>SH</td><td>DCM</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>Code Meaning</td><td>(0008,0104)</td><td>LO</td><td>Summary</td><td>ALWAYS</td><td>AUTO</td></tr>
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<tr><td>>Content Sequence</td><td>(0040,A730)</td><td>SQ</td><td></td><td>ALWAYS</td><td>AUTO</td></tr>
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<tr><td>>>Value Type</td><td>(0040,A040)</td><td>CS</td><td>TEXT</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>Concept Name Code Sequence</td><td>(0040,A043)</td><td>SQ</td><td></td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>>Code Value</td><td>(0008,0100)</td><td>SH</td><td>121106</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>>Coding Scheme Designator</td><td>(0008,0102)</td><td>SH</td><td>DCM</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>>Code Meaning</td><td>(0008,0104)</td><td>LO</td><td>Comment</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>Text Value</td><td>(0040,A160)</td><td>UT</td><td></td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>Relationship Type</td><td>(0040,A010)</td><td>CS</td><td>CONTAINS</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>Value Type</td><td>(0040,A040)</td><td>CS</td><td>CONTAINER</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>Concept Name Code Sequence</td><td>(0040,A043)</td><td>SQ</td><td></td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>Code Value</td><td>(0008,0100)</td><td>SH</td><td>121070</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>Coding Scheme Designator</td><td>(0008,0102)</td><td>SH</td><td>DCM</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>Code Meaning</td><td>(0008,0104)</td><td>LO</td><td>Findings</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>Continuity of Content</td><td>(0040,A050)</td><td>CS</td><td>SEPARATE</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>Content Sequence</td><td>(0040,A730)</td><td>SQ</td><td></td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>Relationship Type</td><td>(0040,A010)</td><td>CS</td><td>HAS CONCEPT MOD</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>Value Type</td><td>(0040,A040)</td><td>CS</td><td>CODE</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>Concept Name Code Sequence</td><td>(0040,A043)</td><td>SQ</td><td></td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>>Code Value</td><td>(0008,0100)</td><td>SH</td><td>G-C0E3</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>>Coding Scheme Designator</td><td>(0008,0102)</td><td>SH</td><td>SRT</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>>Code Meaning</td><td>(0008,0104)</td><td>LO</td><td>Finding Site</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>Concept Code Sequence</td><td>(0040,A168)</td><td>SQ</td><td></td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>>Code Value</td><td>(0008,0100)</td><td>SH</td><td><table><tr><th>CV</th><th>CSD</th><th>CM</th></tr><tr><td>T-45005</td><td>SRT</td><td>Artery of neck</td></tr><tr><td>T-47020</td><td>SRT</td><td>Artery Of Upper Extremity</td></tr></table></td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>>Coding Scheme Designator</td><td>(0008,0102)</td><td>SH</td><td><table><tr><td>T-40501</td><td>SRT</td><td>Blood Vessel of Head</td></tr><tr><td>T-47040</td><td>SRT</td><td>Artery of Lower Extremity</td></tr></table></td><td>ALWAYS</td><td>AUTO</td></tr>
</table>

>>>Code Meaning	(0008,0104)	LO	T-49403 SRT Vein of Lower Extremity T-49103 SRT Vein Of Upper Extremity T-71019 SRT Vascular Structure Of Kidney	ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	G-C171	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Laterality	ALWAYS	AUTO
>>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	**CV** **CSD** **CM** G-A100 SRT Right G-A101 SRT Left	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH		ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	CONATINER	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	**CV** **CSD** **CM** T-45100 SRT Common Carotid Artery T-45200 SRT External Carotid Artery	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	T-45300 SRT Internal Carotid Artery T-45700 SRT Vertebral Artery	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	T-46100 SRT Subclavian Artery T-46010 SRT Innominate Artery	ALWAYS	AUTO
>>Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
>>Content Sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ANAP	AUTO
>>>Value Type	(0040,A040)	CS	CODE	ANAP	AUTO
>>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>>Code Value	(0008,0100)	SH	G-A1F8	ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Topographical Modifier	ANAP	AUTO
>>>Concept Code Sequence	(0040,A160)	SQ		ANAP	AUTO

>>>>Code Value	(0008,0100)	SH	**CV** / **CSD** / **CM** G-A118 / SRT / Proximal G-A119 / SRT / Distal G-A188 / SRT / Mid-longitudinal G-036A / SRT / Origin of vessel R-1025B / SRT / Dilated portion of segment	ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO		ANAP	AUTO
>>>Content Sequence	(0040,A730)	SQ		ANAP	AUTO
>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ANAP	AUTO
>>>Value Type	(0040,A040)	CS	CODE	ANAP	AUTO
>>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>>Code Value	(0008,0100)	SH	125101	ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Vessel Branch	ANAP	AUTO
>>>Concept Code Sequence	(0040,A160)	SQ		ANAP	AUTO
>>>>Code Value	(0008,0100)	SH	**CV** / **CSD** / **CM** G-A100 / SRT / Right G-A101 / SRT / Left	ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO		ANAP	AUTO
>>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>>Code Value	(0008,0100)	SH		ALWAYS	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH		ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>>Code Value	(0008,0100)	SH		ALWAYS	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH		ALWAYS	AUTO
>>>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>>>>Numeric Value	(0040,A30A)	DS		ALWAYS	AUTO
>>>Content Sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ANAP	AUTO
>>>>Value Type	(0040,A040)	CS	CODE	ANAP	AUTO
>>>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>>>Code Value	(0008,0100)	SH	121401	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ANAP	AUTO

>>>>>Code Meaning	(0008,0104)	LO	Derivation	ANAP	AUTO
>>>>Concept Code Sequence	(0040,A160)	SQ		ANAP	AUTO
>>>>>Code Value	(0008,0100)	SH	CV: R-002E1, CSD: SRT, CM: Best value CV: R-00317, CSD: SRT, CM: Mean CV: R-00319, CSD: , CM: Median CV: R-0032E, CSD: SRT, CM: Mode	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	CV: R-00355, CSD: SRT, CM: Point source measurement CV: R-00353, CSD: SRT, CM: Peak to peak CV: R-41D27, CSD: SRT, CM: Visual estimation	ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO	CV: R-10260, CSD: SRT, CM: Estimated CV: R-41D2D, CSD: SRT, CM: Calculated CV: R-41D41, CSD: SRT, CM: Measured CV: G-A437, CSD: SRT, CM: Maximum	ANAP	AUTO
>>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ANAP	AUTO
>>>>Value Type	(0040,A040)	CS	CODE	ANAP	AUTO
>>>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>>>Code Value	(0008,0100)	SH	R-4089A	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO	Cardiac Cycle Point	ANAP	AUTO
>>>>Concept Code Sequence	(0040,A160)	SQ		ANAP	AUTO
>>>>>Code Value	(0008,0100)	SH	CV: 109070, CSD: DCM, CM: End Systole CV: F-32011, CSD: SRT, CM: End Diastole	ANAP	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>>>>>Code Meaning	(0008,0104)	LO		ANAP	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ANAP	AUTO
>>Value Type	(0040,A040)	CS	NUM	ANAP	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	33868-1	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	LN	ANAP	AUTO
>>>Code Meaning	(0008,0104)	LO	ICA/CCA velocity ratio	ANAP	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ANAP	AUTO
>>>Numeric Value	(0040,A30A)	DS		ANAP	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ANAP	AUTO
>>>>Code Value	(0008,0100)	SH		ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO		ANAP	AUTO

>>>Measured Units Code Sequence	(0040,08EA)	SQ		ANAP	AUTO
>>>>Code Value	(0008,0100)	SH	1	ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	UCUM	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	ratio	ANAP	AUTO

TID 5100 – Vascular Ultrasound Procedure Report

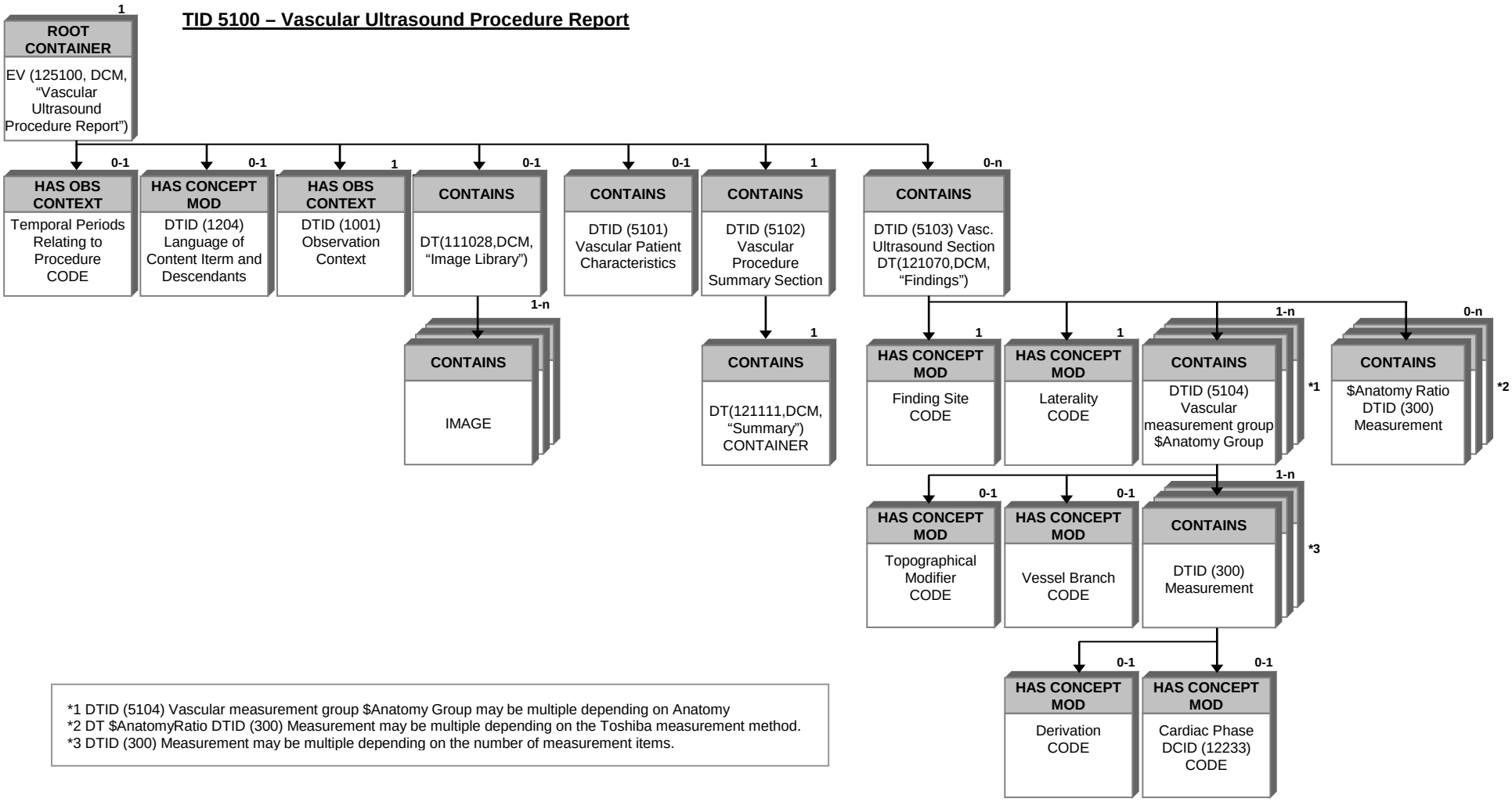


Figure 8.1-2 Vascular Ultrasound Report

Table 8.1-48 Carotid-1 Measurement

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0001	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0002	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0003	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0004	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0005	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0006	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0007	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0008	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0009	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0010	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0011	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0012	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0013	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0014	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0015	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0016	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0017	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0018	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0019	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0020	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0021	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0022	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0023	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0024	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0025	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0026	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0027	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0028	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0029	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0030	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0031	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0032	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0033	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0034	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0035	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0036	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0037	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0038	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0039	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0040	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0041	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0042	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0043	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0044	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0045	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0046	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0047	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0048	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0049	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0050	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0051	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0052	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0053	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0054	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0055	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0056	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0057	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0058	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0059	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0060	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0061	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0062	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0063	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0064	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0065	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0066	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0067	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0068	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0069	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0070	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0071	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0072	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0073	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0074	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0075	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0076	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0077	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0078	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0079	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0080	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0081	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0082	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0083	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0084	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0085	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0086	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0087	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0088	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0089	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0090	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0091	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0092	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0093	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0094	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0095	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0096	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0097	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0098	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0099	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0100	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0101	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0102	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0103	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0104	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0105	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0106	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0107	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0108	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0109	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0110	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0111	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0112	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0113	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0114	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0115	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0116	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0117	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0118	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0119	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0120	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0121	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0122	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0123	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0124	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0125	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0126	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0127	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0128	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0129	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0130	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0131	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0132	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0133	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0134	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0135	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0136	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0137	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0138	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0139	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0140	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0141	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0142	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0143	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0144	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0145	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0146	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0147	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0148	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0149	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0150	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0151	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0152	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0153	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0154	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0155	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0156	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0157	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0158	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0159	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0160	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0161	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0162	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0163	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0164	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0165	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0166	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0167	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0168	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0169	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0170	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0171	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0172	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0173	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0174	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0175	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0176	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0177	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0178	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0179	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0180	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0181	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0182	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0183	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0184	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0185	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0186	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0187	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0188	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0189	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0190	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0191	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0192	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0193	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0194	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0195	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0196	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0197	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0198	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0199	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0200	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0201	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0202	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0203	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0204	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0205	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0206	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0207	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0208	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0209	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0210	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0211	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0212	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0213	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0214	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0215	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0216	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0217	Dist	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0218	IMT1	TSBus	03210003	intima-media complex thickness	TSBus	03520001	Measured 1	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0219	IMT2	TSBus	03210003	intima-media complex thickness	TSBus	03520002	Measured 2	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0220	IMT3	TSBus	03210003	intima-media complex thickness	TSBus	03520003	Measured 3	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0221	Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0222	Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0223	Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0224	Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0225	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0226	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0227	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0228	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal	SRT	F-32011	End Diastole

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0229	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal	SRT	F-32011	End Diastole
0230	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0231	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0232	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0233	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0234	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0235	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0236	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole
0237	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole
0238	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0239	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0240	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0241	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0242	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0243	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0244	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal	SRT	F-32011	End Diastole
0245	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal	SRT	F-32011	End Diastole
0246	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0247	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0248	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0249	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0250	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0251	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0252	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel	SRT	F-32011	End Diastole

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0253	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel	SRT	F-32011	End Diastole
0254	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0255	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0256	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0257	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0258	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0259	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0260	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal	SRT	F-32011	End Diastole
0261	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal	SRT	F-32011	End Diastole
0262	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0263	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0264	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0265	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0266	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0267	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0268	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole
0269	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole
0270	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0271	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0272	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0273	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0274	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0275	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0276	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal	SRT	F-32011	End Diastole

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0277	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal	SRT	F-32011	End Diastole
0278	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0279	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0280	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0281	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0282	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0283	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0284	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel	SRT	F-32011	End Diastole
0285	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel	SRT	F-32011	End Diastole
0286	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0287	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0288	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0289	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0290	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0291	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0292	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0293	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0294	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0295	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0296	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal	SRT	F-32011	End Diastole
0297	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal	SRT	F-32011	End Diastole
0298	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0299	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0300	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0301	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0302	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0303	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0304	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0305	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0306	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0307	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0308	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole
0309	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole
0310	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0311	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0312	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0313	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0314	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0315	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0316	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0317	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0318	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0319	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0320	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal	SRT	F-32011	End Diastole
0321	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal	SRT	F-32011	End Diastole
0322	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0323	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0324	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0325	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0326	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0327	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0328	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0329	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0330	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0331	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0332	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel	SRT	F-32011	End Diastole
0333	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel	SRT	F-32011	End Diastole
0334	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0335	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0336	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0337	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0338	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0339	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0340	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0341	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0342	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0343	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0344	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel	SRT	F-32011	End Diastole
0345	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel	SRT	F-32011	End Diastole
0346	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0347	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0348	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0349	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0350	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0351	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0352	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0353	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0354	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0355	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0356	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel	SRT	F-32011	End Diastole
0357	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel	SRT	F-32011	End Diastole
0358	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0359	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0360	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0361	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0362	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0363	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0364	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal	SRT	F-32011	End Diastole
0365	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal	SRT	F-32011	End Diastole
0366	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0367	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0368	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0369	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0370	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0371	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0372	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0373	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole
0374	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0375	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0376	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0377	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0378	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0379	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0380	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal	SRT	F-32011	End Diastole
0381	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal	SRT	F-32011	End Diastole
0382	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0383	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0384	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0385	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0386	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0387	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0388	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel	SRT	F-32011	End Diastole
0389	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel	SRT	F-32011	End Diastole
0390	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0391	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0392	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0393	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0394	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0395	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0396	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal	SRT	F-32011	End Diastole

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0397	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal	SRT	F-32011	End Diastole
0398	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0399	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0400	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0401	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0402	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0403	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0404	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole
0405	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole
0406	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0407	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0408	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0409	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0410	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0411	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0412	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal	SRT	F-32011	End Diastole
0413	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal	SRT	F-32011	End Diastole
0414	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0415	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0416	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0417	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0418	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0419	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0420	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel	SRT	F-32011	End Diastole

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0421	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel	SRT	F-32011	End Diastole
0422	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0423	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0424	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0425	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0426	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0427	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0428	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0429	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0430	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0431	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0432	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal	SRT	F-32011	End Diastole

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0433	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal	SRT	F-32011	End Diastole
0434	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0435	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0436	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0437	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0438	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0439	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0440	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0441	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0442	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0443	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0444	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0445	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole
0446	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0447	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0448	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0449	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0450	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0451	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0452	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0453	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0454	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0455	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0456	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal	SRT	F-32011	End Diastole

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0457	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal	SRT	F-32011	End Diastole
0458	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0459	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0460	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0461	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0462	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0463	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0464	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0465	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0466	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0467	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0468	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel	SRT	F-32011	End Diastole

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0469	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel	SRT	F-32011	End Diastole
0470	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0471	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0472	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0473	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0474	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0475	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0476	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0477	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0478	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0479	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0480	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel	SRT	F-32011	End Diastole

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0481	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel	SRT	F-32011	End Diastole
0482	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0483	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0484	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0485	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0486	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0487	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0488	Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0489	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0490	Vm	LN	11692-1	Time averaged peak velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0491	Vm_mean	LN	20352-1	Time averaged mean velocity				SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0492	PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel	SRT	F-32011	End Diastole

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0493	RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel	SRT	F-32011	End Diastole
0494	PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0495	RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0496	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0497	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0498	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0499	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0500	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0501	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0502	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0503	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0504	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0505	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0506	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0507	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0508	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0509	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0510	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0511	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0512	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0513	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0514	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0515	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0516	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0517	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
00518	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0519	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0520	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0521	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0522	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0523	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0524	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0525	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0526	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0527	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0528	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0529	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0530	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0531	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0532	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0533	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0534	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0535	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0536	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0537	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0538	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0539	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0540	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0541	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0542	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0543	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0544	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0545	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0546	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0547	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0548	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0549	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0550	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0551	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0552	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0553	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0554	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0555	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0556	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0557	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0558	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0559	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0560	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0561	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0562	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0563	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0564	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0565	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0566	meanIMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0567	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0568	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0569	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0570	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0571	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0572	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0573	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0574	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0575	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0576	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0577	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0578	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0579	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0580	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0581	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0582	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0583	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0584	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0585	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0586	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0587	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0588	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0589	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0590	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0591	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0592	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0593	%Stenosis Distance - %S Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0594	%Stenosis Distance - %S Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0595	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0596	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0597	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0598	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0599	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0600	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0601	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0602	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0603	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0604	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0605	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0606	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0607	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0608	%Stenosis Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0609	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0610	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0611	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0612	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0613	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0614	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0615	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0616	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0617	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0618	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0619	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0620	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0621	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0622	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0623	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0624	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0625	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0626	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0627	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0628	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0629	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0630	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0631	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0632	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0633	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0634	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0635	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0636	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0645	Far Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A105	Anterior	TSBus	03210010	Far			
0646	Far Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A105	Anterior	TSBus	03210010	Far			
0647	Near Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A105	Anterior	TSBus	03210011	Near			
0648	Near Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A105	Anterior	TSBus	03210011	Near			
0649	Diameter	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A105	Anterior						
0650	Far Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A104	Lateral	TSBus	03210010	Far			
0651	Far Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A104	Lateral	TSBus	03210010	Far			
0652	Near Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A104	Lateral	TSBus	03210011	Near			
0653	Near Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A104	Lateral	TSBus	03210011	Near			
0654	Diameter	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A104	Lateral						
0655	Far Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A106	Posterior	TSBus	03210010	Far			
0656	Far Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A106	Posterior	TSBus	03210010	Far			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0657	Near Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A106	Posterior	TSBus	03210011	Near			
0658	Near Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A106	Posterior	TSBus	03210011	Near			
0659	Diameter	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A106	Posterior						
0660	Far Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45170	Carotid Bulb	SRT	G-A105	Anterior	TSBus	03210010	Far			
0661	Far Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45170	Carotid Bulb	SRT	G-A105	Anterior	TSBus	03210010	Far			
0662	Near Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45170	Carotid Bulb	SRT	G-A105	Anterior	TSBus	03210011	Near			
0663	Near Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45170	Carotid Bulb	SRT	G-A105	Anterior	TSBus	03210011	Near			
0664	Diameter	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45170	Carotid Bulb	SRT	G-A105	Anterior						
0665	Far Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45170	Carotid Bulb	SRT	G-A104	Lateral	TSBus	03210010	Far			
0666	Far Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45170	Carotid Bulb	SRT	G-A104	Lateral	TSBus	03210010	Far			
0667	Near Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45170	Carotid Bulb	SRT	G-A104	Lateral	TSBus	03210011	Near			
0668	Near Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45170	Carotid Bulb	SRT	G-A104	Lateral	TSBus	03210011	Near			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0669	Diameter	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45170	Carotid Bulb	SRT	G-A104	Lateral						
0670	Far Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45170	Carotid Bulb	SRT	G-A106	Posterior	TSBus	03210010	Far			
0671	Far Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45170	Carotid Bulb	SRT	G-A106	Posterior	TSBus	03210010	Far			
0672	Near Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45170	Carotid Bulb	SRT	G-A106	Posterior	TSBus	03210011	Near			
0673	Near Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45170	Carotid Bulb	SRT	G-A106	Posterior	TSBus	03210011	Near			
0674	Diameter	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45170	Carotid Bulb	SRT	G-A106	Posterior						
0675	Far Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A105	Anterior	TSBus	03210010	Far			
0676	Far Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A105	Anterior	TSBus	03210010	Far			
0677	Near Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A105	Anterior	TSBus	03210011	Near			
0678	Near Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A105	Anterior	TSBus	03210011	Near			
0679	Diameter	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A105	Anterior						
0680	Far Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A104	Lateral	TSBus	03210010	Far			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0681	Far Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A104	Lateral	TSBus	03210010	Far			
0682	Near Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A104	Lateral	TSBus	03210011	Near			
0683	Near Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A104	Lateral	TSBus	03210011	Near			
0684	Diameter	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A104	Lateral						
0685	Far Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A106	Posterior	TSBus	03210010	Far			
0686	Far Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A106	Posterior	TSBus	03210010	Far			
0687	Near Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A106	Posterior	TSBus	03210011	Near			
0688	Near Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A106	Posterior	TSBus	03210011	Near			
0689	Diameter	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A106	Posterior						
0690	Far Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A105	Anterior	TSBus	03210010	Far			
0691	Far Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A105	Anterior	TSBus	03210010	Far			
0692	Near Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A105	Anterior	TSBus	03210011	Near			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0693	Near Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A105	Anterior	TSBus	03210011	Near			
0694	Diameter	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A105	Anterior						
0695	Far Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A104	Lateral	TSBus	03210010	Far			
0696	Far Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A104	Lateral	TSBus	03210010	Far			
0697	Near Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A104	Lateral	TSBus	03210011	Near			
0698	Near Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A104	Lateral	TSBus	03210011	Near			
0699	Diameter	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A104	Lateral						
0700	Far Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A106	Posterior	TSBus	03210010	Far			
0701	Far Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A106	Posterior	TSBus	03210010	Far			
0702	Near Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A106	Posterior	TSBus	03210011	Near			
0703	Near Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A106	Posterior	TSBus	03210011	Near			
0704	Diameter	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A106	Posterior						

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0705	Far Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45170	Carotid Bulb	SRT	G-A105	Anterior	TSBus	03210010	Far			
0706	Far Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45170	Carotid Bulb	SRT	G-A105	Anterior	TSBus	03210010	Far			
0707	Near Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45170	Carotid Bulb	SRT	G-A105	Anterior	TSBus	03210011	Near			
0708	Near Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45170	Carotid Bulb	SRT	G-A105	Anterior	TSBus	03210011	Near			
0709	Diameter	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45170	Carotid Bulb	SRT	G-A105	Anterior						
0710	Far Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45170	Carotid Bulb	SRT	G-A104	Lateral	TSBus	03210010	Far			
0711	Far Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45170	Carotid Bulb	SRT	G-A104	Lateral	TSBus	03210010	Far			
0712	Near Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45170	Carotid Bulb	SRT	G-A104	Lateral	TSBus	03210011	Near			
0713	Near Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45170	Carotid Bulb	SRT	G-A104	Lateral	TSBus	03210011	Near			
0714	Diameter	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45170	Carotid Bulb	SRT	G-A104	Lateral						
0715	Far Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45170	Carotid Bulb	SRT	G-A106	Posterior	TSBus	03210010	Far			
0716	Far Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45170	Carotid Bulb	SRT	G-A106	Posterior	TSBus	03210010	Far			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0717	Near Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45170	Carotid Bulb	SRT	G-A106	Posterior	TSBus	03210011	Near			
0718	Near Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45170	Carotid Bulb	SRT	G-A106	Posterior	TSBus	03210011	Near			
0719	Diameter	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45170	Carotid Bulb	SRT	G-A106	Posterior						
0720	Far Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A105	Anterior	TSBus	03210010	Far			
0721	Far Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A105	Anterior	TSBus	03210010	Far			
0722	Near Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A105	Anterior	TSBus	03210011	Near			
0723	Near Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A105	Anterior	TSBus	03210011	Near			
0724	Diameter	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A105	Anterior						
0725	Far Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A104	Lateral	TSBus	03210010	Far			
0726	Far Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A104	Lateral	TSBus	03210010	Far			
0727	Near Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A104	Lateral	TSBus	03210011	Near			
0728	Near Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A104	Lateral	TSBus	03210011	Near			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0729	Diameter	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A104	Lateral						
0730	Far Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A106	Posterior	TSBus	03210010	Far			
0731	Far Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A106	Posterior	TSBus	03210010	Far			
0732	Near Max	TSBus	03210003	intima-media complex thickness	SRT	G-A437	Maximum	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A106	Posterior	TSBus	03210011	Near			
0733	Near Mean	TSBus	03210003	intima-media complex thickness	SRT	R-00317	Mean	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A106	Posterior	TSBus	03210011	Near			
0734	Diameter	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A106	Posterior						
0951	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0952	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0953	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0954	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0955	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0956	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0957	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0958	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0959	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0960	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0961	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0962	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0963	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0964	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0965	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0966	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0967	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0968	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0969	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0970	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0971	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0972	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0973	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0974	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0975	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0976	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
0977	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0978	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0979	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
0980	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0981	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
0982	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
0983	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0984	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0985	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0986	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0987	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0988	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0989	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0990	PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0991	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0992	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0993	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0994	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0995	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
0996	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
0997	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
0998	ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
0999	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
1000	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
1001	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
1002	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
1003	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
1004	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			

Meas. No.	Meas. Label	TID (5104) Vascular Ultrasound Measurement Group - $Measurement			TID (5104) Vascular Ultrasound Measurement Group - $Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – $Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
1005	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
1006	Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
1007	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
1008	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
1009	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
1010	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
1011	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
1012	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
1013	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
1014	Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			

Meas.No.	Meas. Label	TID (5103) Vascular Ultrasound Section - $Measurement			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5103) Vascular Ultrasound Measurement Group – Topographical Modifier		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0637	ICA/CCA PS (R)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	TSBus	03211000	Ratio in PS
0638	ICA/CCA ED (R)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	TSBus	03211002	Ratio in ED
0639	ICA/CCA Vmax (R)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	TSBus	03211003	Ratio in Vmax
0640	ICA/CCA Ved (R)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	TSBus	03211004	Ratio in Ved
0641	ICA/CCA PS (L)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	TSBus	03211000	Ratio in PS
0642	ICA/CCA ED (L)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	TSBus	03211002	Ratio in ED
0643	ICA/CCA Vmax (L)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	TSBus	03211003	Ratio in Vmax
0644	ICA/CCA Ved (L)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	TSBus	03211004	Ratio in Ved

Table 8.1-49
SR DOCUMENT CONTENT MODULE OF CREATED ENHANCED/COMPREHENSIVE SR SOP INSTANCES FOR OB-GYN ULTRASOUND PROCEDURE REPORT TEMPLATE

Attribute Name	Tag	VR	Value	Presence of Value	Source
Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>Code Value	(0008,0100)	SH	125000	ALWAYS	AUTO
>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>Code Meaning	(0008,0104)	LO	OB-GYN Ultrasound Procedure Report	ALWAYS	AUTO
Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
Content Template Sequence	(0040,A504)	SQ		ALWAYS	AUTO
>Template Identifier	(0040,DB00)	CS	5000	ALWAYS	AUTO
>Mapping Resource	(0008,0105)	CS	DCMR	ALWAYS	AUTO
Content Sequence	(0040,A730)	SQ		ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121049	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Language of Content Item and descendants	ALWAYS	AUTO
>Concept Code Sequence	(0040,A160)	SQ		ALWAYS	AUTO
>>Code value	(0008,0100)	SH	eng	ALWAYS	AUTO
>>Coding Scheme designator	(0008,0102)	SH	ISO639_2	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	English	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	HAS OBS CONTEXT	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121005	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Observer Type	ALWAYS	AUTO
>Concept Code Sequence	(0040,A160)	SQ		ALWAYS	AUTO
>>Code value	(0008,0100)	SH	121007	ALWAYS	AUTO
>>Coding Scheme designator	(0008,0102)	SH	DCM	ALWAYS	AUTO

Attribute Name	Tag	VR	Value	Presence of Value	Source
>>Code Meaning	(0008,0104)	LO	Device	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121118	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Patient Characteristics	ALWAYS	AUTO
>Content Sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	TEXT	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	121106	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Comment	ALWAYS	AUTO
>>Text Value	(0040,A160)	UT		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ANAP	AUTO
>>Value Type	(0040,A040)	CS	NUM	ANAP	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	11996-6	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	LN	ANAP	AUTO
>>>Code Meaning	(0008,0104)	LO	Gravida	ANAP	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ANAP	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ANAP	AUTO
>>>>Code value	(0008,0100)	SH		ANAP	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH		ANAP	AUTO
>>>Code Meaning	(0008,0104)	LO		ANAP	AUTO
>>>Numeric Value	(0040,A30A)	DS		ANAP	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ANAP	AUTO
>>Value Type	(0040,A040)	CS	NUM	ANAP	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	11977-6	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	LN	ANAP	AUTO
>>>Code Meaning	(0008,0104)	LO	Para	ANAP	AUTO

Attribute Name	Tag	VR	Value	Presence of Value	Source
>>Measured Value Sequence	(0040,A300)	SQ		ANAP	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ANAP	AUTO
>>>>Code value	(0008,0100)	SH		ANAP	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH		ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO		ANAP	AUTO
>>>Numeric Value	(0040,A30A)	DS		ANAP	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ANAP	AUTO
>Value Type	(0040,A040)	CS	CONTAINER	ANAP	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>Code Value	(0008,0100)	SH	111028	ANAP	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ANAP	AUTO
>>Code Meaning	(0008,0104)	LO	Image Library	ANAP	AUTO
>>Referenced SOP Sequence	(0008,1199)	SQ		ANAP	AUTO
>>>Referenced SOP Class UID	(0008,1150)	UI		ANAP	AUTO
>>>Referenced SOP Instance UID	(0008,1155)	UI		ANAP	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ANAP	AUTO
>>Value Type	(0040,A040)	CS	IMAGE	ANAP	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	**CSD** **CV** **CM** **Concept Name** DCM 121111 Summary DTID 5002 DCM 125001 Fetal Biometry Ratios DTID 5004 DCM 125002 Fetal Biometry DTID 5005 DCM 125003 Fetal Long Bones DTID 5006 DCM 125004 Fetal Cranium DTID 5007 DCM 121070 Findings DTID 5010 DTID 5025 DTID 5026 DCM 125009 Early Gestation DTID 5011 DCM 125011 Pelvis and Uterus DTID 5015		
>>Coding Scheme Designator	(0008,0102)	SH			
>>Code Meaning	(0008,0104)	LO			
>Continuity of Content	(0040, A050)	CS	SEPARATE	ALWAYS	AUTO
>Content Sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO

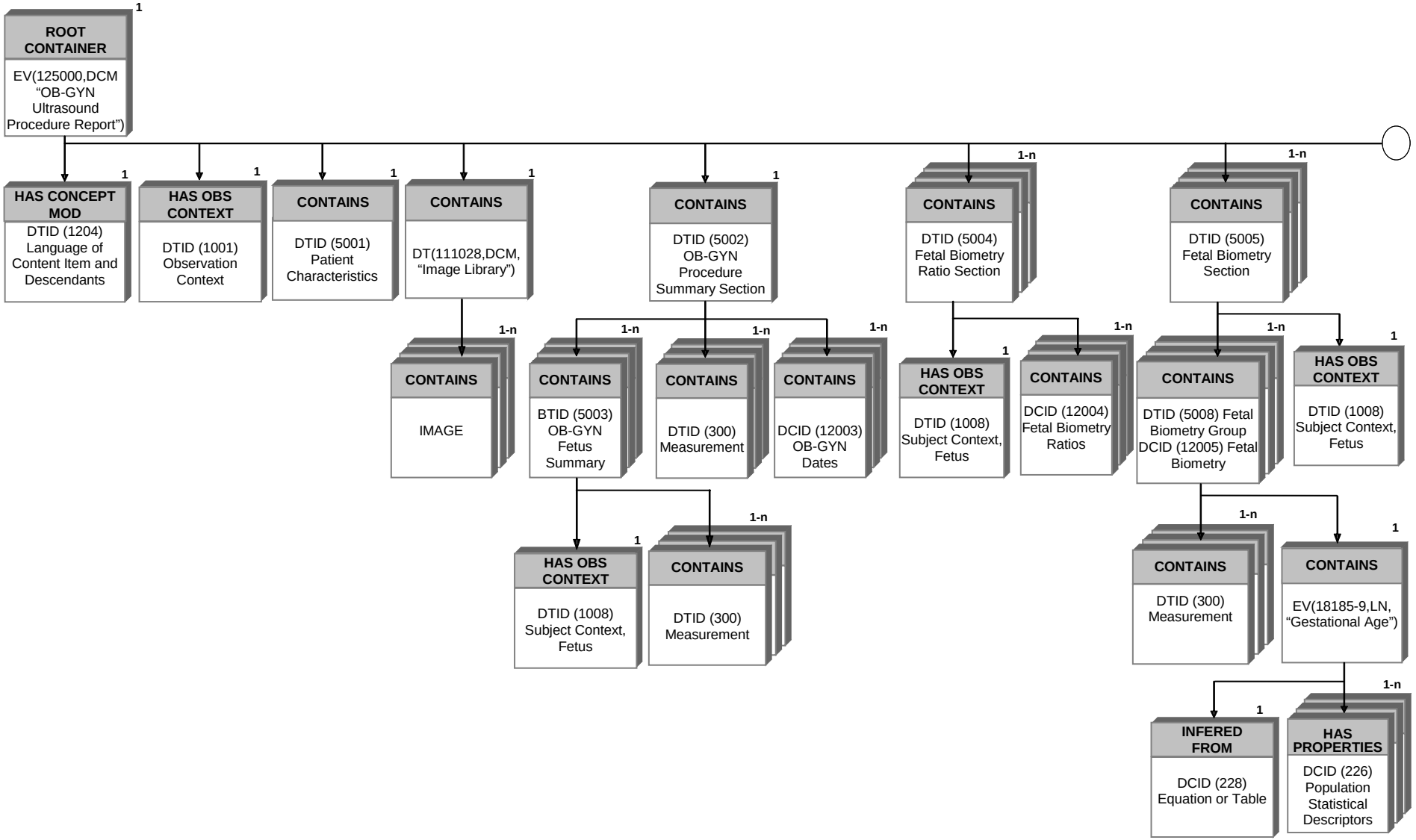
Attribute Name	Tag	VR	Value	Presence of Value	Source
>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	G-C0E3	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Finding Site	ALWAYS	AUTO
>>Concept Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH			
>>>Coding Scheme Designator	(0008,0102)	SH			
>>>Code Meaning	(0008,0104)	LO			

CSD	CV	CM	Concept Name
SRT	T-F1300	Amniotic Sac	DTID 5010
SRT	T-87000	Ovary	DTID 5012
SRT	T-87600	Ovarian Follicle	DTID 5013
SRT	T-F6800	Embryonic Vascular Structure	DTID 5025
SRT	T-D6007	Pelvic Vascular Structure	DTID 5026

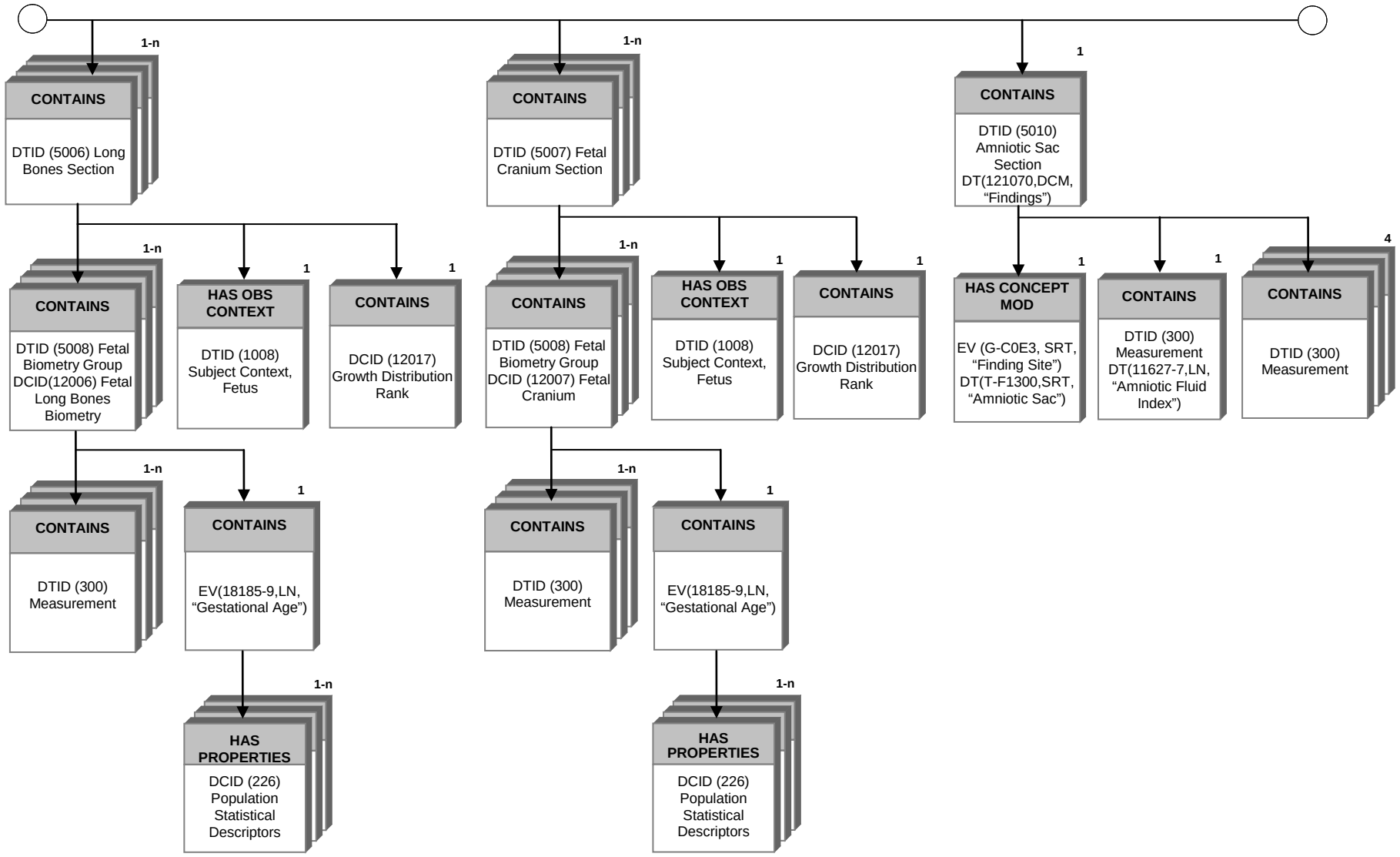
Child Containers are continuing depending on Concept DTID.

Figure 8.1-3 OB-GYN Ultrasound Procedure Report

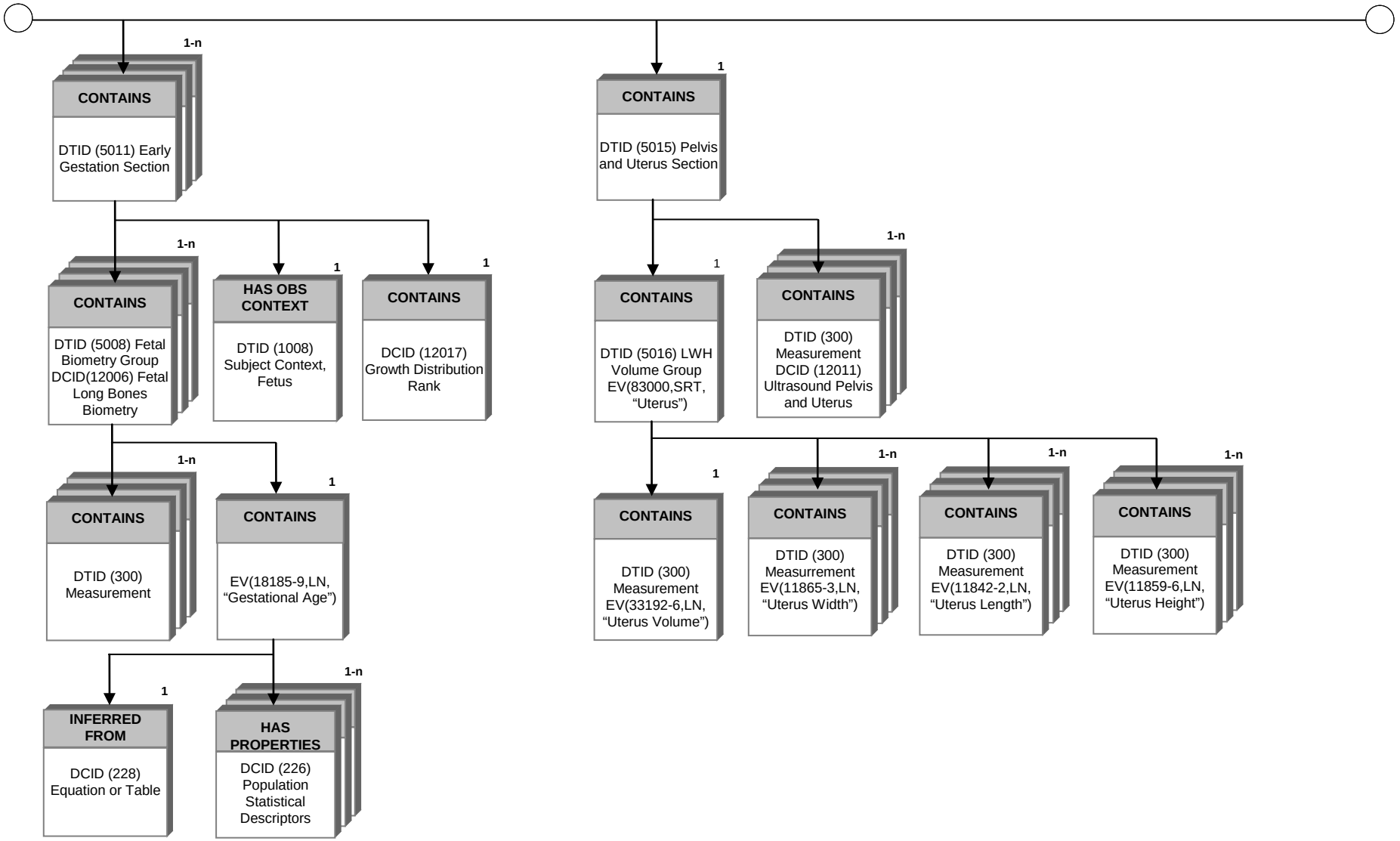
TID 5000 OB-GYN Ultrasound Procedure Report



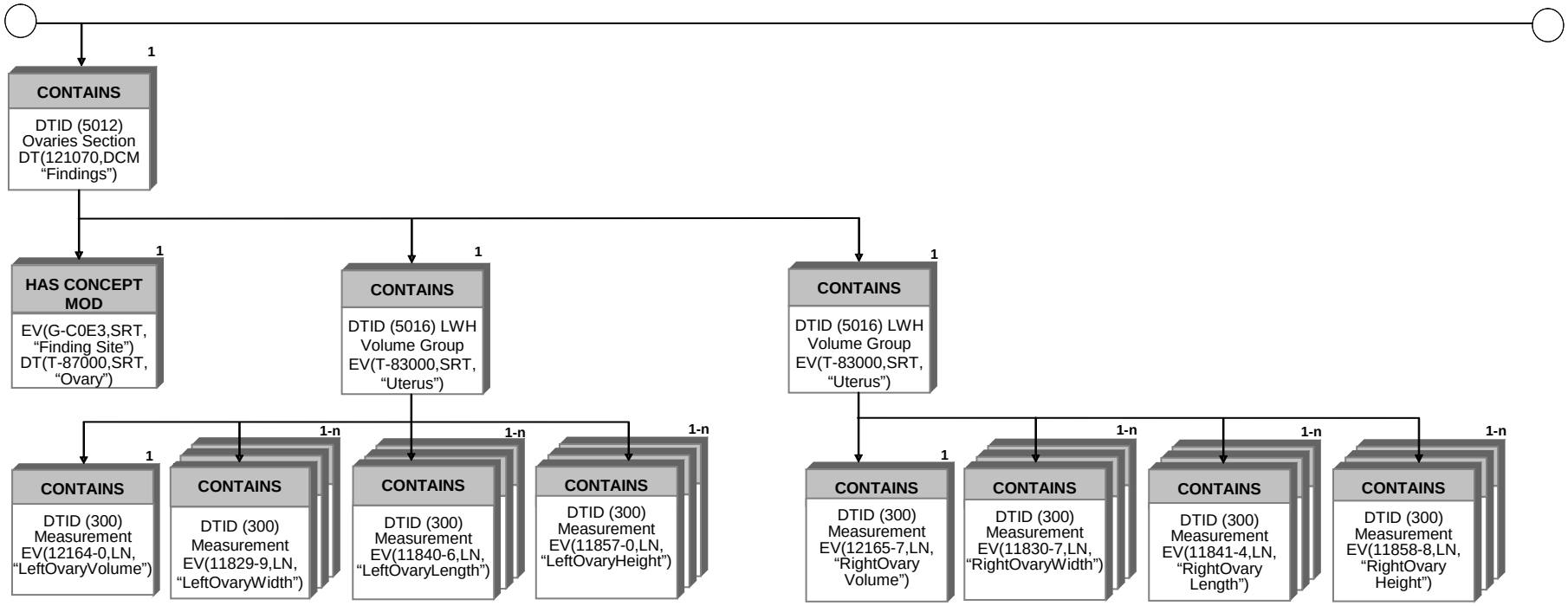
(Figure 8.1-3 Continued)



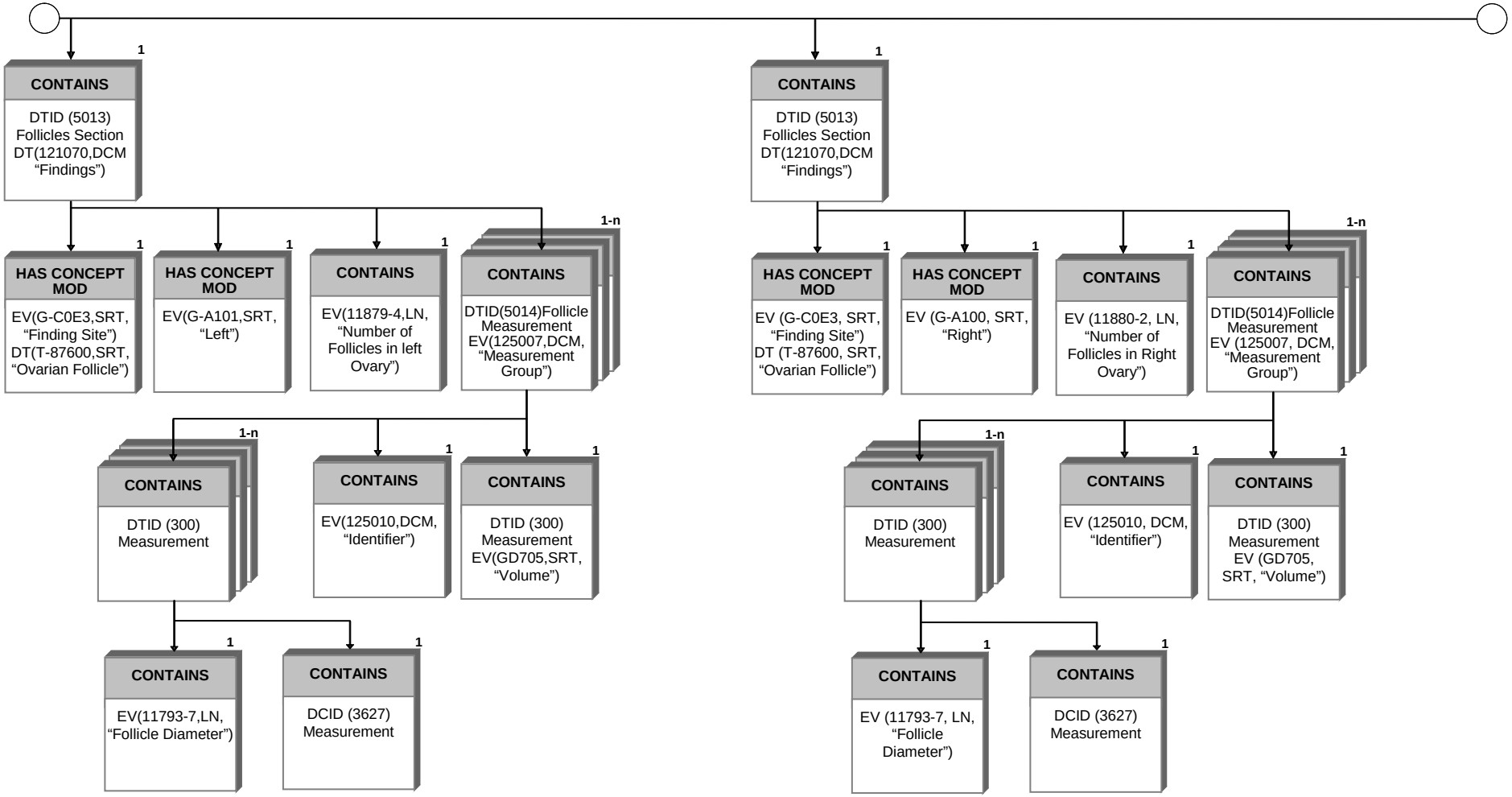
(Figure 8.1-3 Continued)



(Figure 8.1-3 Continued)



(Figure 8.1-3 Continued)



(Figure 8.1-3 Continued)

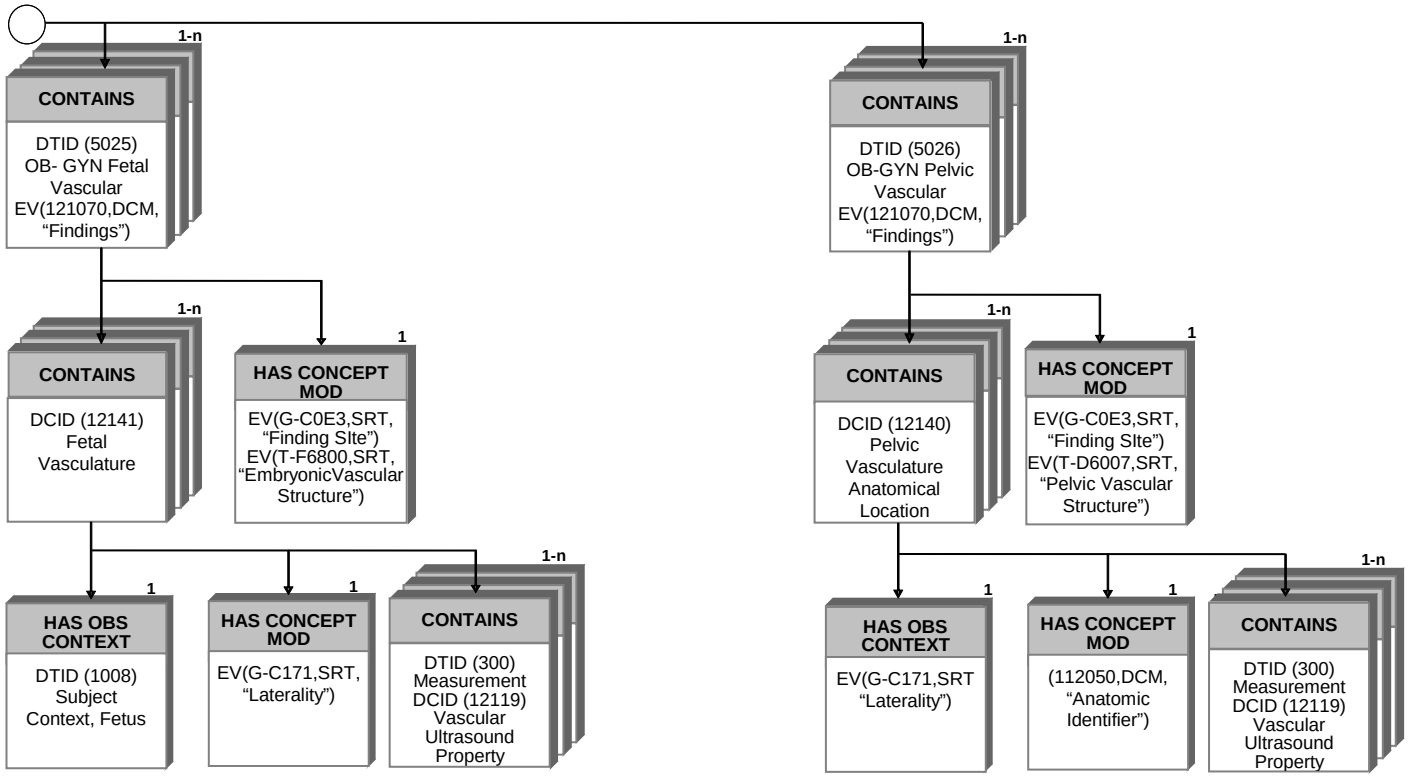


Table 8.1-50 Common

Meas.No.	Meas. Label	Measurement Code			$Equation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0001	LMP	LN	11955-2	LMP									
0004	LMP	TSBus	03520020	Estimated LMP from Conception Date									
0007	EDD	LN	11779-6	EDD from LMP									
0008	EDD	TSBus	03520021	EDD from Conception Date									

Table 8.1-51 OB-2D

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0011	GS	LN	11850-5	Gestational Sac Diameter												
0012	GA	LN	18185-9	Gestational Age	LN	33108-2	GS, Tokyo 1986									
					LN	11928-9	GS, Hellman 1969									
					LN	11929-7	GS, Rempen 1991									
0013	GsdGa_SD	DCM	121414	Standard deviation of population												
0014	BPD	LN	11820-8	Biparietal Diameter												
0015	GA	LN	18185-9	Gestational Age	LN	33082-9	BPD, Osaka 1989									
					TSBus	03510033	BPD, JSUM									
					LN	11902-4	BPD, Hadlock 1984									
					LN	11906-5	BPD, Kurtz 1980									
					LN	11907-3	BPD, Sabbagha 1978									
					LN	33081-1	BPD, Mertz 1988									
					LN	33538-0	BPD, Hansmann 1986									
					LN	33083-7	BPD, Rempen 1991									
					LN	33087-8	BPD-oo, Chitty 1997									

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
					LN	33086-0	BPD-oi, Chitty 1997									
					TSBus	03510032	BPD, ASUM 2001									
					TSBus	03510036	BPD,CFEF 2000									
					LN	33539-8	BPD, Jeanty 1982									
					TSBus	03510034	BPD, Nicolaides 1994									
0016	BpdGa_SD	DCM	121414	Standard deviation of population												
0017	CRL	LN	11957-8	Crown Rump Length												
					LN	33093-6	CRL, Osaka 1989									
					TSBus	0351003A	CRL, JSUM									
					LN	11910-7	CRL, Hadlock 1992									
					LN	11914-9	CRL, Robinson 1975									
					LN	33094-4	CRL, Rempen 1991									
0018	GA	LN	18185-9	Gestational Age	TSBus	03510010	CRL, BMUS									
					LN	33540-6	CRL, Hansmann 1986									
					TSBus	03520027	CRL, ASUM 2001									
					LN	11917-2	CRL, Jeanty 1984									
					LN	33091-0	CRL, Daya 1993									
					LN	11913-1	CRL, Nelson 1981									
0019	CrlGa_SD	DCM	121414	Standard deviation of population												
0020	YS	LN	11816-6	Yolk Sac length												
0021	NT	LN	33069-6	Nuchal Translucency												
0022	NB	SRT	T-11149	Nasal bone												
					TSBus	0352002C	NB, Sonek 2003									
0023	GA	LN	18185-9	Gestational Age	TSBus	0352002D	NB, Bunduki 2003									
0024	NbGa_SD	DCM	121414	Standard deviation of population												
0027	AC	LN	11979-2	Abdominal Circumference												
0028	GA	LN	18185-9	Gestational Age	TSBus	0351002C	AC, Jsum 2003									

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
					LN	11893-5	AC, Jeanty 1984									
					LN	33075-3	AC, Mertz 1988									
					TSBus	0351002B	AC, Deter 1982									
					TSBus	0351002A	AC, Chitty Pltd									
					TSBus	03510029	AC, Chitty Drvd									
					TSBus	03510027	AC, ASUM 2001									
					TSBus	0352002B	AC derived, BMUS 2007									
					TSBus	03510028	AC, CFEF									
					TSBus	0351002D	AC, Nicolaides									
					LN	11892-7	AC, Hadlock 1984									
0029	AcGa_SD	DCM	121414	Standard deviation of population												
0032	FL	LN	11963-6	Femur Length												
					LN	33101-7	FL, Osaka 1989									
					TSBus	03510042	FL, JSUM									
					LN	11920-6	FL, Hadlock 1984									
					LN	11923-0	FL, Jeanty 1984									
					TSBus	0351003E	FL, Merz 1991									
					LN	33541-4	FL, Hansmann 1986									
					TSBus	03510040	FL, O-Brien									
0033	GA	LN	18185-9	Gestational Age	TSBus	03510041	FL, Warda 1985									
					TSBus	03520030	FL, BMUS 2007									
					LN	33098-5	FL, Chitty 1997									
					TSBus	0351003B	FL, ASUM 2001									
					TSBus	0351003D	FL, CFEF									
					LN	11922-2	FL, Hohler 1982									
					TSBus	0351003F	FL, Nicolaides									
0034	FlGa_SD	DCM	121414	Standard deviation of population												

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0035	FTA	LN	33068-8	Thoracic Area												
0036	GA	LN	18185-9	Gestational Age	LN	33138-9	Fetal Trunk Cross-Sectional Area, Osaka 1989									
0037	FtaGa_SD	DCM	121414	Standard deviation of population												
0038	HL	LN	11966-9	Humerus length												
0039	GA	LN	18185-9	Gestational Age	LN	11936-2	Humerus, Jeanty 1984									
					LN	11937-0	Humerus, Merz 1987									
					LN	33117-3	Humerus Length, Osaka 1989									
					LN	33116-5	Humerus Length, ASUM 2000									
					TSBus	03510021	Humerus Length									
0040	HlGa_SD	DCM	121414	Standard deviation of population												
0041	RAD	LN	11967-7	Radius length												
0042	GA	LN	18185-9	Gestational Age	TSBus	03510053	RADIUS, Merz									
					TSBus	0351005A	RADIUS, Chitty									
0043	RadiusGa_SD	DCM	121414	Standard deviation of population												
0044	Ulna	LN	11969-3	Ulna length												
0045	GA	LN	18185-9	Gestational Age	LN	11944-6	Ulna, Jeanty 1984									
					LN	11945-3	Ulna, Merz 1987									
					TSBus	03510022	Ulna, Chitty									
0046	UlGa_SD	DCM	121414	Standard deviation of population												
0047	TIB	LN	11968-5	Tibia length												
0048	GA	LN	18185-9	Gestational Age	LN	11941-2	Tibia, Jeanty 1984									
					TSBus	03510049	Tibia, Merz									
					TSBus	03510023	Tibia, Chitty									
0049	TlGa_SD	DCM	121414	Standard deviation of population												

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0050	FIB	LN	11964-4	Fibula length												
0051	GA	LN	18185-9	Gestational Age	LN	11918-0	Fibula, Merz 1987									
0052	FibulaGa_SD	DCM	121414	Standard deviation of population												
0053	THD	LN	11864-6	Transverse Thoracic Diameter												
0054	GA	LN	18185-9	Gestational Age	LN	33129-8	TAD Hansmann, 1979									
0055	ThdGa_SD	DCM	121414	Standard deviation of population												
0056	APAD	LN	11818-2	Anterior-Posterior Abdominal Diameter												
0057	GA	LN	18185-9	Gestational Age	TSBus	0351000C	GA APAD Merz									
0058	ApadGa_SD	DCM	121414	Standard deviation of population												
0059	TAD	LN	11862-0	Tranverse Abdominal Diameter												
0060	GA	LN	18185-9	Gestational Age	TSBus	03510048	TAD, Merz									
					TSBus	03510047	TAD, CFEF									
0061	TadGa_SD	DCM	121414	Standard deviation of population												
0062	CER	LN	11863-8	Trans Cerebellar Diameter												
0063	GA	LN	18185-9	Gestational Age	TSBus	03510037	CER, Goldstein									
					TSBus	3510038	CER, Hill									
					TSBus	03510039	CER, Nicolaides									
0064	CerGa_SD	DCM	121414	Standard deviation of population												
0065	OOD	LN	11629-3	Outer Orbital Diameter												
0066	GA	LN	18185-9	Gestational Age	TSBus	0351005B	OOD, Jeanty									
					LN	33124-9	OOD, Mayden, 1982									
0067	BnGa_SD	DCM	121414	Standard deviation of population												
0068	OFD	LN	11851-3	Occipital-Frontal Diameter												

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0069	GA	LN	18185-9	Gestational Age	TSBus	03510045	OFD, Merz									
					LN	33120-7	OFD, Hansmann 1986									
					TSBus	03510044	OFD, Chitty									
					TSBus	03510046	OFD, Nicolaides 1994									
					TSBus	03520031	OFD, Jeanty 1984									
					TSBus	03520032	OFD, ASUM 2001									
0070	OfdGa_SD	DCM	121414	Standard deviation of population												
0071	HA	TSBUs	03310000	Head Area												
0072	GA	LN	18185-9	Gestational Age	TSBus	0351008B	GA HA Chitty									
0073	HaGa_SD	DCM	121414	Standard deviation of population												
0074	HC	LN	11984-2	Head Circumference												
0075	GA	LN	18185-9	Gestational Age	LN	33115-7	HC Merz, 1988									
					LN	11932-1	HC, Hadlock 1984									
					LN	33543-0	HC, Hansmann 1986									
					LN	33110-8	HC measured, Chitty 1997									
					LN	33111-6	HC derived, Chitty 1997									
					TSBus	03520028	HC, ASUM 2001									
					TSBus	03520029	HC, Nicolaides 1994									
					TSBus	0352002A	HC derived, BMUS 2007									
					TSBus	03510043	HC, CFEF									
					LN	11934-7	HC, Jeanty 1984									
0076	HcGa_SD	DCM	121414	Standard deviation of population												
0077	AA	TSBUs	03310001	Abdominal Area												
0078	GA	LN	18185-9	Gestational Age	TSBus	0351000B	GA AA Chitty									
0079	AaGa_SD	DCM	121414	Standard deviation of population												
0080	AFI	LN	11627-7	Amniotic Fluid Index												

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0081	Q1	LN	11624-4	First Quadrant Diameter												
0082	Q2	LN	11626-9	Second Quadrant Diameter												
0083	Q3	LN	11625-1	Third Quadrant Diameter												
0084	Q4	LN	11623-6	Fourth Quadrant Diameter												
0085	GA	LN	18185-9	Gestational Age	TSBus	0352002E	AFI, Moore 1990									
0086	AfiGa_SD	DCM	121414	Standard deviation of population												
0087	CTAR A	TSBus	03310002	Thoracic Area (CTAR A)												
0088	CTAR B	TSBus	03310003	Cardiac Area (CTAR B)												
0089	CARD-Axis	TSBus	03310004	Cardiac Axis												
0090	CTAR	TSBus	03310005	Cardiothoracic area ratio												
0091	Umb V D	TSBus	03330003	Umbilical Vein Diameter										SRT	T-F1820	Umbilical Vein
0092	Cervix Len	LN	11961-0	Cervix Length												
0093	CM	LN	11860-4	Cisterna Magna length												
0094	Ocular D	TSBus	03330001	Ocular Diameter												
0095	CLAV	LN	11962-8	Clavicle length												
0096	GA	LN	18185-9	Gestational Age	LN	33088-6	Clavical length,Yarkoni 1985									
0097	ClavGa_SD	DCM	121414	Standard deviation of population												
0098	TC	LN	11988-3	Thoracic Circumference												
0099	Va	LN	33197-5	Anterior Horn Lateral ventricular width												
0100	GA	LN	18185-9	Gestational Age	TSBus	03510090	TCD, Nicolaides									
0101	VaGa_SD	DCM	121414	Standard deviation of population												
0102	Vp	LN	33196-7	Posterior Horn Lateral ventricular width												

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0103	GA	LN	18185-9	Gestational Age	TSBus	03510090	TCD, Nicolaides									
0104	VpGa_SD	DCM	121414	Standard deviation of population												
0105	Hem	LN	12170-7	Width of Hemisphere												
0106	GA	LN	18185-9	Gestational Age	TSBus	03510090	TCD, Nicolaides									
0107	HemGa_SD	DCM	121414	Standard deviation of population												
0108	Foot	LN	11965-1	Foot length												
0109	GA	LN	18185-9	Gestational Age	LN	11926-3	Foot Length, Mercer 1987									
0110	FootGa_SD	DCM	121414	Standard deviation of population												
0111	F Kidney	TSBus	03330000	Fetal Kidney length												
0112	GA	LN	18185-9	Gestational Age	TSBus	0351008A	GA Fetal Kidney Bertagnoli									
0113	F_KidGa_SD	DCM	121414	Standard deviation of population												
0114	AFP	SRT	M-02550	Diameter												
0115	GS	LN	11850-5	Gestational Sac Diameter				SRT	R-00317	Mean						
0116	Dist1	LN	11850-5	Gestational Sac Diameter				TSBus	03520001	Measured 1						
0117	Dist2	LN	11850-5	Gestational Sac Diameter				TSBus	03520002	Measured 2						
0118	Dist3	LN	11850-5	Gestational Sac Diameter				TSBus	03520003	Measured 3						
0119	GA	LN	18185-9	Gestational Age	TSBus	0352002F	MSD, Daya 1991									
0120	MsdGa_SD	DCM	121414	Standard deviation of population												
0121	TCD	LN	11863-8	Trans Cerebellar Diameter												
0122	C.S.P.	TSBus	03520022	Cavum Septi Pellucidi												
0123	NF	SRT	T-D1600	Neck												
0124	IOD	LN	33070-4	Inner Orbital Diameter												

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0125	Maxilla Angle	TSBus	03520023	Maxilla Angle												
0126	Maxilla Len.	SRT	T-11170	Maxilla												
0127	Lt F Kidney	LN	11834-9	Left Kidney length												
0128	GA	LN	18185-9	Gestational Age	TSBus	0351008A	GA Fetal Kidney Bertagnoli									
0129	LtF_KidGa_SD	DCM	121414	Standard deviation of population												
0130	Rt F Kidney	LN	11836-4	Right Kidney length												
0131	GA	LN	18185-9	Gestational Age	TSBus	0351008A	GA Fetal Kidney Bertagnoli									
0132	RtF_KidGa_SD	DCM	121414	Standard deviation of population												
0133	Lt HL	LN	11966-9	Humerus length							SRT	G-A101	Left			
0134	GA	LN	18185-9	Gestational Age	LN	11936-2	Humerus, Jeanty 1984									
					LN	11937-0	Humerus, Merz 1987									
					LN	33117-3	Humerus Length, Osaka 1989									
					LN	33116-5	Humerus Length, ASUM 2000									
					TSBus	03510021	Humerus, Chitty									
0135	LtHlGa_SD	DCM	121414	Standard deviation of population												
0136	Rt HL	LN	11966-9	Humerus length							SRT	G-A100	Right			
0137	GA	LN	18185-9	Gestational Age	LN	11936-2	Humerus, Jeanty 1984									
					LN	11937-0	Humerus, Merz 1987									
					LN	33117-3	Humerus Length, Osaka 1989									
					LN	33116-5	Humerus Length, ASUM 2000									
					TSBus	03510021	Humerus, Chitty									
0138	RtHlGa_SD	DCM	121414	Standard deviation of population												

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0139	Lt Ulna	LN	11969-3	Ulna length							SRT	G-A101	Left			
0140	GA	LN	18185-9	Gestational Age	LN	11944-6	Ulna, Jeanty 1984									
					LN	11945-3	Ulna, Merz 1987									
					TSBus	03510022	Ulna, Chitty									
0141	LtUlGa_SD	DCM	121414	Standard deviation of population												
0142	Rt Ulna	LN	11969-3	Ulna length							SRT	G-A100	Right			
0143	GA	LN	18185-9	Gestational Age	LN	11944-6	Ulna, Jeanty 1984									
					LN	11945-3	Ulna, Merz 1987									
					TSBus	03510022	Ulna, Chitty									
0144	RtUlGa_SD	DCM	121414	Standard deviation of population												
0145	Lt RAD	LN	11967-7	Radius length							SRT	G-A101	Left			
0146	GA	LN	18185-9	Gestational Age	TSBus	03510053	RADIUS, Merz									
					TSBus	0351005A	RADIUS, Chitty									
0147	LtRadiusGa_SD	DCM	121414	Standard deviation of population												
0148	Rt RAD	LN	11967-7	Radius length							SRT	G-A100	Right			
0149	GA	LN	18185-9	Gestational Age	TSBus	03510053	RADIUS, Merz									
					TSBus	0351005A	RADIUS, Chitty									
0150	RtRadiusGa SD	DCM	121414	Standard deviation of population												
0151	Lt CLAV	LN	11962-8	Clavicle length							SRT	G-A101	Left			
0152	GA	LN	18185-9	Gestational Age	LN	33088-6	Clavical length,Yarkoni 1985									
0153	LtClavGa_SD	DCM	121414	Standard deviation of population												
0154	Rt CLAV	LN	11962-8	Clavicle length							SRT	G-A100	Right			
0155	GA	LN	18185-9	Gestational Age	LN	33088-6	Clavical length,Yarkoni 1985									
0156	RtClavGa_SD	DCM	121414	Standard deviation of population												

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0157	Lt FL	LN	11963-6	Femur Length							SRT	G-A101	Left			
0158	GA	LN	18185-9	Gestational Age	LN	33101-7	FL, Osaka 1989									
					TSBus	03510042	FL, JSUM									
					LN	11920-6	FL, Hadlock 1984									
					LN	11923-0	FL, Jeanty 1984									
					TSBus	0351003E	FL, Merz 1991									
					LN	33541-4	FL, Hansmann 1986									
					TSBus	03510040	FL, O-Brien									
					TSBus	03510041	FL, Warda 1985									
					TSBus	03520030	FL, BMUS 2007									
					LN	33098-5	FL, Chitty 1997									
					TSBus	0351003B	FL, ASUM 2001									
					TSBus	0351003D	FL, CFEF									
					LN	11922-2	FL, Hohler 1982									
					TSBus	0351003F	FL, Nicolaides									
0159	LtFlGa_SD	DCM	121414	Standard deviation of population												
0160	Rt FL	LN	11963-6	Femur Length							SRT	G-A100	Right			
0161	GA	LN	18185-9	Gestational Age	LN	33101-7	FL, Osaka 1989									
					TSBus	03510042	FL, JSUM									
					LN	11920-6	FL, Hadlock 1984									
					LN	11923-0	FL, Jeanty 1984									
					TSBus	0351003E	FL, Merz 1991									
					LN	33541-4	FL, Hansmann 1986									
					TSBus	03510040	FL, O-Brien									
					TSBus	03510041	FL, Warda 1985									
					TSBus	03520030	FL, BMUS 2007									
					LN	33098-5	FL, Chitty 1997									
					TSBus	0351003B	FL, ASUM 2001									
					TSBus	0351003D	FL, CFEF									

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
					LN	11922-2	FL, Hohler 1982									
					TSBus	0351003F	FL, Nicolaides									
0162	RtFlGa_SD	DCM	121414	Standard deviation of population												
0163	Lt TIB	LN	11968-5	Tibia length							SRT	G-A101	Left			
0164	GA	LN	18185-9	Gestational Age	LN	11941-2	Tibia, Jeanty 1984									
					TSBus	03510049	Tibia, Merz									
					TSBus	03510023	Tibia, Chitty									
0165	LtTlGa_SD	DCM	121414	Standard deviation of population												
0166	Rt TIB	LN	11968-5	Tibia length							SRT	G-A100	Right			
0167	GA	LN	18185-9	Gestational Age	LN	11941-2	Tibia, Jeanty 1984									
					TSBus	03510049	Tibia, Merz									
					TSBus	03510023	Tibia, Chitty									
0168	RtTlGa_SD	DCM	121414	Standard deviation of population												
0169	Lt FIB	LN	11964-4	Fibula length							SRT	G-A101	Left			
0170	GA	LN	18185-9	Gestational Age	LN	11918-0	Fibula, Merz 1987									
					TSBus	0351004C	FIBULA, Chitty									
0171	LtFibulaGa_SD	DCM	121414	Standard deviation of population												
0172	Rt FIB	LN	11964-4	Fibula length							SRT	G-A100	Right			
0173	GA	LN	18185-9	Gestational Age	LN	11918-0	Fibula, Merz 1987									
					TSBus	0351004C	FIBULA, Chitty									
0174	RtFibulaGa_SD	DCM	121414	Standard deviation of population												
0175	Lt Foot	LN	11965-1	Foot length							SRT	G-A101	Left			
0176	GA	LN	18185-9	Gestational Age	TSBus	03510024	FOOT, Mercer									
					TSBus	03510025	FOOT, Chitty									
0177	LtFootGa_SD	DCM	121414	Standard deviation of population												

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0178	Rt Foot	LN	11965-1	Foot length							SRT	G-A100	Right			
0179	GA	LN	18185-9	Gestational Age	TSBus	03510024	FOOT, Mercer									
					TSBus	03510025	FOOT, Chitty									
0180	RtFootGa_SD	DCM	121414	Standard deviation of population												
0184	U/S GA	LN	18185-9	Gestational Age	LN	11884-4	Average Ultrasound Age									
0185	EfwTokyoBpdAxtFl_SD	DCM	121414	Standard deviation of population												
0186	Tokyo GA	LN	18185-9	Gestational Age	TSBus	03510088	GA by EFW by Bpd, AxT, Fl, Tokyo									
0187	EFW	LN	11727-5	Estimated Weight	TSBus	03510009	EFW by Bpd, AxT, Fl, Tokyo									
0188	EfwJsumBpdAcFl_SD	DCM	121414	Standard deviation of population	TSBus	03510008	EFW by BPD, AC, FL, JSUM									
0189	JSUM	LN	18185-9	Gestational Age	TSBus	03510086	GA by EFW, BPD, AC, FL, JSUM									
0190	EFW	LN	11727-5	Estimated Weight	TSBus	03510008	EFW by BPD, AC, FL, JSUM									
0191	EfwHadlockAcFl_SD	DCM	121414	Standard deviation of population	LN	11751-5	EFW by AC, FL, Hadlock 1985									
0192	Hadlock1	LN	18185-9	Gestational Age	TSBus	03510084	GA by EFW, AC, FL, Hadlock 1985									
0193	EFW	LN	11727-5	Estimated Weight	LN	11751-5	EFW by AC, FL, Hadlock 1985									
0194	MCR_WEIGHT_US_PERC_EFW_HADLOCK_AC_FL	LN	11767-1	EFW percentile rank	TSBus	0351009A	MCR_WEIGHT_US_PERC_EFW_HADLOCK_AC_FL									
0195	EfwHadlockBpdAcFl_SD	DCM	121414	Standard deviation of population	TSBus	03510004	EFW by AC, BPD, FL, Hadlock2									
0196	Hadlock2	LN	18185-9	Gestational Age	TSBus	0351008C	GA Hadlock2									
0197	EFW	LN	11727-5	Estimated Weight	TSBus	03510004	EFW by AC, BPD, FL, Hadlock2									

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0198	MCR_WEIGHT_US_PERC_EFW_HADLOCK_BPD_AC_FL	LN	11767-1	EFW percentile rank	TSBus	03510096	MCR_WEIGHT_US_PERC_EFW_HADLOCK_BPD_AC_FL									
0199	EfwOsakaBpdFtaFl_SD	DCM	121414	Standard deviation of population	LN	33140-5	EFW by BPD, FTA, FL, Osaka 1990									
0200	Osaka	LN	18185-9	Gestational Age	TSBus	03510087	GA by EFW BPD,FTA,FL OSAKA									
0201	EFW	LN	11727-5	Estimated Weight	LN	33140-5	EFW by BPD, FTA, FL, Osaka 1990									
0202	FL/BPD	LN	11872-9	FL/BPD												
0203	EfwHadlockHcAcFl_SD	DCM	121414	Standard deviation of population	TSBus	03510005	EFW by AC, FL, HC, Hadlock 3									
0204	Hadlock3	LN	18185-9	Gestational Age	TSBus	0351008D	GA Hadlock3									
0205	EFW	LN	11727-5	Estimated Weight	TSBus	03510005	EFW by AC, FL, HC, Hadlock 3									
0206	EfwHadlockHcAcFl_SD	LN	11767-1	EFW percentile rank	TSBus	03510097	MCR_WEIGHT_US_PERC_EFW_HADLOCK_HC_AC_FL									
0207	EfwHadlockBpdHcAcFl_SD	DCM	121414	Standard deviation of population	TSBus	03510003	EFW by AC, BPD, FL, HC, Hadlock4									
0208	Hadlock4	LN	18185-9	Gestational Age	TSBus	0351008E	GA Hadlock4									
0209	EFW	LN	11727-5	Estimated Weight	TSBus	03510003	EFW by AC, BPD, FL, HC, Hadlock4									
0210	MCR_WEIGHT_US_PERC_EFW_HADLOCK_BPD_HC_AC_FL	LN	11767-1	EFW percentile rank	TSBus	03510098	MCR_WEIGHT_US_PERC_EFW_HADLOCK_BPD_HC_AC_FL									
0211	EfwShepardBpdAc_SD	DCM	121414	Standard deviation of population	LN	11739-0	EFW by AC and BPD, Shepard 1982									
0212	EFW	LN	11727-5	Estimated Weight	LN	11739-0	EFW by AC and BPD, Shepard 1982									
0213	EfwMerzBpdAc_SD	DCM	121414	Standard deviation of population	TSBus	03510006	EFW by BPD, AC, Merz									
0214	EFW	LN	11727-5	Estimated Weight	TSBus	03510006	EFW by BPD, AC, Merz									

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0215	EfwCampbellAc_SD	DCM	121414	Standard deviation of population	LN	11756-4	EFW by AC, Campbell 1975									
0216	EFW	LN	11727-5	Estimated Weight	LN	11756-4	EFW by AC, Campbell 1975									
0217	EFW	LN	11727-5	Estimated Weight	TSBus	03510095	EFW by AC, Merz2									
0218	EfwHansmannBpdThd_SD	DCM	121414	Standard deviation of population	TSBus	0351000A	EFW BPD,THD Hansman									
0219	Hansmann	LN	18185-9	Gestational Age	TSBus	0351008F	GA Hansman									
0220	EFW	LN	11727-5	Estimated Weight	TSBus	0351000A	EFW BPD,THD Hansman									
0221	CI	LN	11823-2	Cephalic Index												
0222	HC/AC	LN	11947-9	HC/AC												
0223	FL/HC	LN	11873-7	FL/HC												
0224	FL/AC	LN	11871-1	FL/AC												
0225	Va/Hem	TSBus	03330007	Va/Hem												
0226	GA	LN	18185-9	Gestational Age	TSBus	03510090	TCD, Nicolaides									
0227	VaOverHem_SD	DCM	121414	Standard deviation of population												
0228	Vp/Hem	TSBus	03330008	Vp/Hem												
0229	GA	LN	18185-9	Gestational Age	TSBus	03510090	TCD, Nicolaides									
0230	VpOverHem_SD	DCM	121414	Standard deviation of population												
0231	HC(Cal.)	LN	11984-2	Head Circumference				SRT	R-41D2D	Calculated						
0232	CalcHc_SD	DCM	121414	Standard deviation of population												
0233	GA	LN	18185-9	Gestational Age	TSBus	0352002A	HC derived, BMUS 2007									
					LN	11932-1	HC, Hadlock 1984									
					LN	33115-7	HC Merz, 1988									
					LN	33543-0	HC, Hansmann 1986									
					LN	33111-6	HC derived, Chitty 1997									

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
					TSBus	03510043	HC, CFEF									
					LN	11934-7	HC, Jeanty 1984									
					TSBus	03510027	HC, ASUM 2001									
					TSBus	03520029	HC, Nicolaides 1994									
0234	AC(Cal.)	LN	11979-2	Abdominal Circumference				SRT	R-41D2D	Calculated						
0235	CalcAc_SD	DCM	121414	Standard deviation of population												
					TSBus	0352002B	AC derived, BMUS 2007									
					LN	11893-5	AC, Jeanty 1984									
					LN	11892-7	AC, Hadlock 1984									
0236	GA	LN	18185-9	Gestational Age	LN	33075-3	AC, Mertz 1988									
					TSBus	03510029	AC, Chitty Drvd									
					TSBus	03510028	AC, CFEF									
					TSBus	0351002D	AC, Nicolaides									
0237	MCR_WEIGHT_LMP_PERC_EFW_HADLOCK_AC_FL	LN	11767-1	EFW percentile rank												
0238	MCR_WEIGHT_LMP_PERC_EFW_HADLOCK_BPD_AC_FL	LN	11767-1	EFW percentile rank												
0239	MCR_WEIGHT_LMP_PERC_EFW_HADLOCK_HC_AC_FL	LN	11767-1	EFW percentile rank												
0240	MCR_WEIGHT_LMP_PERC_EFW_HADLOCK_BPD_HC_AC_FL	LN	11767-1	EFW percentile rank												

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0241	EfwHadlockBrennerBpdHcAcFl_SD	DCM	121414	Standard deviation of population												
0242	Brenner	LN	18185-9	Gestational Age	LN	33189-2	FWP by GA, Brenner 1976									
0243	EFW	LN	11727-5	Estimated Weight	TSBus	035100A0	EFW by AC, BPD, FL, HC, Brenner 1976									
0244	MCR_WEIGHT_LMP_PERC_EFW_HADLOCK_BRENNER_BPD_HC_AC_FL	LN	11767-1	EFW percentile rank	TSBus	035100A0	EFW by AC, BPD, FL, HC, Brenner 1976									
0245	MCR_WEIGHT_US_PERC_EFW_HADLOCK_BRENNER_BPD_HC_AC_FL	LN	11767-1	EFW percentile rank												
0246	EfwHadlockWilliamsAcFl_SD	DCM	121414	Standard deviation of population												
0247	Williams	LN	18185-9	Gestational Age	LN	33184-3	FWP by GA, Williams, 1982									
0248	EFW	LN	11727-5	Estimated Weight	TSBus	035100A1	EFW by AC, FL, Williams 1982									
0249	MCR_WEIGHT_LMP_PERC_EFW_HADLOCK_WILLIAMS_AC_FL	LN	11767-1	EFW percentile rank												
0250	MCR_WEIGHT_US_PERC_EFW_HADLOCK_WILLIAMS_AC_FL	LN	11767-1	EFW percentile rank												
0251	EfwHadlockWilliamsBpdAcFl_SD	DCM	121414	Standard deviation of population												
0252	Williams	LN	18185-9	Gestational Age	LN	33184-3	FWP by GA, Williams, 1982									

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0253	EFW	LN	11727-5	Estimated Weight	TSBus	035100A2	EFW by AC, BPD, FL, Williams 1982									
0254	MCR_WEIGHT_LMP_PERC_EFW_HADLOCK_WILLIAMS_BPD_AC_FL	LN	11767-1	EFW percentile rank												
0255	MCR_WEIGHT_US_PERC_EFW_HADLOCK_WILLIAMS_BPD_AC_FL	LN	11767-1	EFW percentile rank												
0256	MCR_US_AVERAGE_GA_FOR_HADLOCK_SD	LN	18185-9	Gestational Age												
0257	MCR_US_GA_SD	LN	18185-9	Gestational Age												
0258	EfwHadlockWilliamsHcAcFl_SD	DCM	121414	Standard deviation of population												
0259	Williams	LN	18185-9	Gestational Age	LN	33184-3	FWP by GA, Williams, 1982									
0260	EFW	LN	11727-5	Estimated Weight	TSBus	035100A3	EFW by AC, FL, HC, Williams 1982									
0261	MCR_WEIGHT_LMP_PERC_EFW_HADLOCK_WILLIAMS_HC_AC_FL	LN	11767-1	EFW percentile rank												
0262	MCR_WEIGHT_US_PERC_EFW_HADLOCK_WILLIAMS_HC_AC_FL	LN	11767-1	EFW percentile rank												
0263	EfwHadlockWilliamsBpdHcAcFl_SD	DCM	121414	Standard deviation of population												

Meas. No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0264	Williams	LN	18185-9	Gestational Age	LN	33184-3	FWP by GA, Williams, 1982									
0265	EFW	LN	11727-5	Estimated Weight	TSBus	035100A4	EFW by AC, BPD, FL, HC, Williams 1982									
0266	MCR_WEIGHT_LMP_PERC_EFW_HADLOCK_WILLIAMS_BPD_HC_AC_FL	LN	11767-1	EFW percentile rank												
0267	MCR_WEIGHT_US_PERC_EFW_HADLOCK_WILLIAMS_BPD_HC_AC_FL	LN	11767-1	EFW percentile rank												

Table 8.1-52 OB-GYN

Meas.No	Meas. Label	Follicle Identifier	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0268	Volume		LN	12164-0	Left Ovary Volume												
0269	Dist1		LN	11829-9	Left Ovary Width												
0270	Dist2		LN	11840-6	Left Ovary Length												
0271	Dist3		LN	11857-0	Left Ovary Height												
0272	Volume		LN	12165-7	Right Ovary Volume												
0273	Dist1		LN	11830-7	Right Ovary Width												
0274	Dist2		LN	11841-4	Right Ovary Length												
0275	Dist3		LN	11858-8	Right Ovary Height												
0276	Volume		LN	33192-6	Uterus Volume												
0277	Dist1		LN	11865-3	Uterus Width												
0278	Dist2		LN	11842-2	Uterus Length												

Meas.No	Meas. Label	Follicle Identifier	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0279	Dist3		LN	11859-6	Uterus Height												
0280	Endometrium		LN	12145-9	Endometrium Thickness												
0281	Volume	1	SRT	G-D705	Volume							SRT	G-A101	Left			
0282	Dist1	1	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0283	Dist2	1	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0284	Dist3	1	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0285	Volume	2	SRT	G-D705	Volume							SRT	G-A101	Left			
0286	Dist1	2	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0287	Dist2	2	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0288	Dist3	2	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0289	Volume	3	SRT	G-D705	Volume							SRT	G-A101	Left			
0290	Dist1	3	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0291	Dist2	3	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0292	Dist3	3	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0293	Volume	4	SRT	G-D705	Volume							SRT	G-A101	Left			
0294	Dist1	4	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0295	Dist2	4	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0296	Dist3	4	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0297	Volume	5	SRT	G-D705	Volume							SRT	G-A101	Left			
0298	Dist1	5	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0299	Dist2	5	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0300	Dist3	5	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0301	Volume	6	SRT	G-D705	Volume							SRT	G-A101	Left			
0302	Dist1	6	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0303	Dist2	6	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0304	Dist3	6	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0305	Volume	7	SRT	G-D705	Volume							SRT	G-A101	Left			
0306	Dist1	7	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0307	Dist2	7	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			

Meas.No	Meas. Label	Follicle Identifier	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0308	Dist3	7	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0309	Volume	8	SRT	G-D705	Volume							SRT	G-A101	Left			
0310	Dist1	8	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A101	Left			
0311	Dist2	8	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A101	Left			
0312	Dist3	8	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A101	Left			
0313	Volume	1	SRT	G-D705	Volume							SRT	G-A100	Right			
0314	Dist1	1	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0315	Dist2	1	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0316	Dist3	1	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0317	Volume	2	SRT	G-D705	Volume							SRT	G-A100	Right			
0318	Dist1	2	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0319	Dist2	2	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0320	Dist3	2	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0321	Volume	3	SRT	G-D705	Volume							SRT	G-A100	Right			
0322	Dist1	3	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0323	Dist2	3	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0324	Dist3	3	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0325	Volume	4	SRT	G-D705	Volume							SRT	G-A100	Right			
0326	Dist1	4	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0327	Dist2	4	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0328	Dist3	4	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0329	Volume	5	SRT	G-D705	Volume							SRT	G-A100	Right			
0330	Dist1	5	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0331	Dist2	5	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0332	Dist3	5	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0333	Volume	6	SRT	G-D705	Volume							SRT	G-A100	Right			
0334	Dist1	6	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0335	Dist2	6	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0336	Dist3	6	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			

Meas.No	Meas. Label	Follicle Identifier	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0337	Volume	7	SRT	G-D705	Volume							SRT	G-A100	Right			
0338	Dist1	7	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0339	Dist2	7	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0340	Dist3	7	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0341	Volume	8	SRT	G-D705	Volume							SRT	G-A100	Right			
0342	Dist1	8	LN	11793-7	Follicle Diameter				TSBus	03520001	Measured 1	SRT	G-A100	Right			
0343	Dist2	8	LN	11793-7	Follicle Diameter				TSBus	03520002	Measured 2	SRT	G-A100	Right			
0344	Dist3	8	LN	11793-7	Follicle Diameter				TSBus	03520003	Measured 3	SRT	G-A100	Right			
0345	Volume		SRT	M-3340A	Cyst				TSBus	03520001	Measured 1						
0346	Dist1		TSBus	03520024	Cyst Diameter 1				TSBus	03520001	Measured 1						
0347	Dist2		TSBus	03520025	Cyst Diameter 2				TSBus	03520001	Measured 1						
0348	Dist3		TSBus	03520026	Cyst Diameter 3				TSBus	03520001	Measured 1						
0349	Volume		SRT	M-3340A	Cyst				TSBus	03520002	Measured 2						
0350	Dist1		TSBus	03520024	Cyst Diameter 1				TSBus	03520002	Measured 2						
0351	Dist2		TSBus	03520025	Cyst Diameter 2				TSBus	03520002	Measured 2						
0352	Dist3		TSBus	03520026	Cyst Diameter 3				TSBus	03520002	Measured 2						
0353	Volume		SRT	M-3340A	Cyst				TSBus	03520003	Measured 3						
0354	Dist1		TSBus	03520024	Cyst Diameter 1				TSBus	03520003	Measured 3						
0355	Dist2		TSBus	03520025	Cyst Diameter 2				TSBus	03520003	Measured 3						
0356	Dist3		TSBus	03520026	Cyst Diameter 3				TSBus	03520003	Measured 3						
0357	Volume		SRT	M-3340A	Cyst				TSBus	03520004	Measured 4						
0358	Dist1		TSBus	03520024	Cyst Diameter 1				TSBus	03520004	Measured 4						
0359	Dist2		TSBus	03520025	Cyst Diameter 2				TSBus	03520004	Measured 4						
0360	Dist3		TSBus	03520026	Cyst Diameter 3				TSBus	03520004	Measured 4						
0361	Volume		SRT	M-3340A	Cyst				TSBus	03520005	Measured 5						
0362	Dist1		TSBus	03520024	Cyst Diameter 1				TSBus	03520005	Measured 5						
0363	Dist2		TSBus	03520025	Cyst Diameter 2				TSBus	03520005	Measured 5						
0364	Dist3		TSBus	03520026	Cyst Diameter 3				TSBus	03520005	Measured 5						
0365	Volume		SRT	M-3340A	Cyst				TSBus	03520006	Measured 6						

Meas.No	Meas. Label	Follicle Identifier	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
			CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0366	Dist1		TSBus	03520024	Cyst Diameter 1				TSBus	03520006	Measured 6						
0367	Dist2		TSBus	03520025	Cyst Diameter 2				TSBus	03520006	Measured 6						
0368	Dist3		TSBus	03520026	Cyst Diameter 3				TSBus	03520006	Measured 6						

Table 8.1-53 OB-Doppler

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0369	Vmin	LN	11665-7	Minimum Diastolic Velocity							SRT	G-A100	Right	SRT	T-46820	Uterine Artery
0370	Ved	LN	11653-3	End Diastolic Velocity							SRT	G-A100	Right	SRT	T-46820	Uterine Artery
0371	Vm_peak	LN	11692-1	Time averaged peak velocity							SRT	G-A100	Right	SRT	T-46820	Uterine Artery
0372	Vm_mean	LN	20352-1	Time averaged mean velocity							SRT	G-A100	Right	SRT	T-46820	Uterine Artery
0373	Vp	LN	11726-7	Peak Systolic Velocity							SRT	G-A100	Right	SRT	T-46820	Uterine Artery
0374	PI (Ved)	LN	12008-9	Pulsatility Index							SRT	G-A100	Right	SRT	T-46820	Uterine Artery
0375	RI (Ved)	LN	12023-8	Resistivity Index							SRT	G-A100	Right	SRT	T-46820	Uterine Artery
0376	PI (Vmin)	LN	12008-9	Pulsatility Index							SRT	G-A100	Right	SRT	T-46820	Uterine Artery
0377	RI (Vmin)	LN	12023-8	Resistivity Index							SRT	G-A100	Right	SRT	T-46820	Uterine Artery
0378	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio							SRT	G-A100	Right	SRT	T-46820	Uterine Artery
0379	Vmin	LN	11665-7	Minimum Diastolic Velocity							SRT	G-A101	Left	SRT	T-46820	Uterine Artery
0380	Ved	LN	11653-3	End Diastolic Velocity							SRT	G-A101	Left	SRT	T-46820	Uterine Artery
0381	Vm_peak	LN	11692-1	Time averaged peak velocity							SRT	G-A101	Left	SRT	T-46820	Uterine Artery
0382	Vm_mean	LN	20352-1	Time averaged mean velocity							SRT	G-A101	Left	SRT	T-46820	Uterine Artery
0383	Vp	LN	11726-7	Peak Systolic Velocity							SRT	G-A101	Left	SRT	T-46820	Uterine Artery
0384	PI (Ved)	LN	12008-9	Pulsatility Index							SRT	G-A101	Left	SRT	T-46820	Uterine Artery
0385	RI (Ved)	LN	12023-8	Resistivity Index							SRT	G-A101	Left	SRT	T-46820	Uterine Artery
0386	PI (Vmin)	LN	12008-9	Pulsatility Index							SRT	G-A101	Left	SRT	T-46820	Uterine Artery
0387	RI (Vmin)	LN	12023-8	Resistivity Index							SRT	G-A101	Left	SRT	T-46820	Uterine Artery

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0388	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio							SRT	G-A101	Left	SRT	T-46820	Uterine Artery
0389	Vmin	LN	11665-7	Minimum Diastolic Velocity										SRT	T-F1810	Umbilical Artery
0390	Ved	LN	11653-3	End Diastolic Velocity										SRT	T-F1810	Umbilical Artery
0391	Vm_peak	LN	11692-1	Time averaged peak velocity										SRT	T-F1810	Umbilical Artery
0392	Vm_mean	LN	20352-1	Time averaged mean velocity										SRT	T-F1810	Umbilical Artery
0393	Vp	LN	11726-7	Peak Systolic Velocity										SRT	T-F1810	Umbilical Artery
0394	PI (Ved)	LN	12008-9	Pulsatility Index										SRT	T-F1810	Umbilical Artery
0395	RI (Ved)	LN	12023-8	Resistivity Index										SRT	T-F1810	Umbilical Artery
0396	PI (Vmin)	LN	12008-9	Pulsatility Index										SRT	T-F1810	Umbilical Artery
0397	RI (Vmin)	LN	12023-8	Resistivity Index										SRT	T-F1810	Umbilical Artery
0398	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio										SRT	T-F1810	Umbilical Artery
0399	HR (Umb A)	LN	11948-7	Fetal Heart Rate												
0400	Vmin	LN	11665-7	Minimum Diastolic Velocity										SRT	T-45600	Middle Cerebral Artery
0401	Ved	LN	11653-3	End Diastolic Velocity										SRT	T-45600	Middle Cerebral Artery
0402	Vm_peak	LN	11692-1	Time averaged peak velocity										SRT	T-45600	Middle Cerebral Artery
0403	Vm_mean	LN	20352-1	Time averaged mean velocity										SRT	T-45600	Middle Cerebral Artery
0404	Vp	LN	11726-7	Peak Systolic Velocity										SRT	T-45600	Middle Cerebral Artery
0405	PI (Ved)	LN	12008-9	Pulsatility Index										SRT	T-45600	Middle Cerebral Artery
0406	RI (Ved)	LN	12023-8	Resistivity Index										SRT	T-45600	Middle Cerebral Artery
0407	PI (Vmin)	LN	12008-9	Pulsatility Index										SRT	T-45600	Middle Cerebral Artery
0408	RI (Vmin)	LN	12023-8	Resistivity Index										SRT	T-45600	Middle Cerebral Artery
0409	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio										SRT	T-45600	Middle Cerebral Artery

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0410	HR (MCA)	LN	11948-7	Fetal Heart Rate												
0411	Vmin	LN	11665-7	Minimum Diastolic Velocity										SRT	T-42000	Aorta
0412	Ved	LN	11653-3	End Diastolic Velocity										SRT	T-42000	Aorta
0413	Vm_peak	LN	11692-1	Time averaged peak velocity										SRT	T-42000	Aorta
0414	Vm_mean	LN	20352-1	Time averaged mean velocity										SRT	T-42000	Aorta
0415	Vp	LN	11726-7	Peak Systolic Velocity										SRT	T-42000	Aorta
0416	PI (Ved)	LN	12008-9	Pulsatility Index										SRT	T-42000	Aorta
0417	RI (Ved)	LN	12023-8	Resistivity Index										SRT	T-42000	Aorta
0418	PI (Vmin)	LN	12008-9	Pulsatility Index										SRT	T-42000	Aorta
0419	RI (Vmin)	LN	12023-8	Resistivity Index										SRT	T-42000	Aorta
0420	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio										SRT	T-42000	Aorta
0421	HR (Fetal Ao)	LN	11948-7	Fetal Heart Rate												
0422	Vmin	LN	11665-7	Minimum Diastolic Velocity							SRT	G-A101	Left	SRT	T-46980	Ovarian Artery
0423	Ved	LN	11653-3	End Diastolic Velocity							SRT	G-A101	Left	SRT	T-46980	Ovarian Artery
0424	Vm_peak	LN	11692-1	Time averaged peak velocity							SRT	G-A101	Left	SRT	T-46980	Ovarian Artery
0425	Vm_mean	LN	20352-1	Time averaged mean velocity							SRT	G-A101	Left	SRT	T-46980	Ovarian Artery
0426	Vp	LN	11726-7	Peak Systolic Velocity							SRT	G-A101	Left	SRT	T-46980	Ovarian Artery
0427	PI (Ved)	LN	12008-9	Pulsatility Index							SRT	G-A101	Left	SRT	T-46980	Ovarian Artery
0428	RI (Ved)	LN	12023-8	Resistivity Index							SRT	G-A101	Left	SRT	T-46980	Ovarian Artery
0429	PI (Vmin)	LN	12008-9	Pulsatility Index							SRT	G-A101	Left	SRT	T-46980	Ovarian Artery
0430	RI (Vmin)	LN	12023-8	Resistivity Index							SRT	G-A101	Left	SRT	T-46980	Ovarian Artery
0431	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio							SRT	G-A101	Left	SRT	T-46980	Ovarian Artery
0433	Vmin	LN	11665-7	Minimum Diastolic Velocity							SRT	G-A100	Right	SRT	T-46980	Ovarian Artery
0434	Ved	LN	11653-3	End Diastolic Velocity							SRT	G-A100	Right	SRT	T-46980	Ovarian Artery
0435	Vm_peak	LN	11692-1	Time averaged peak velocity							SRT	G-A100	Right	SRT	T-46980	Ovarian Artery
0436	Vm_mean	LN	20352-1	Time averaged mean velocity							SRT	G-A100	Right	SRT	T-46980	Ovarian Artery

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0437	Vp	LN	11726-7	Peak Systolic Velocity							SRT	G-A100	Right	SRT	T-46980	Ovarian Artery
0438	PI (Ved)	LN	12008-9	Pulsatility Index							SRT	G-A100	Right	SRT	T-46980	Ovarian Artery
0439	RI (Ved)	LN	12023-8	Resistivity Index							SRT	G-A100	Right	SRT	T-46980	Ovarian Artery
0440	PI (Vmin)	LN	12008-9	Pulsatility Index							SRT	G-A100	Right	SRT	T-46980	Ovarian Artery
0441	RI (Vmin)	LN	12023-8	Resistivity Index							SRT	G-A100	Right	SRT	T-46980	Ovarian Artery
0442	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio							SRT	G-A100	Right	SRT	T-46980	Ovarian Artery
0444	Vmin	LN	11665-7	Minimum Diastolic Velocity										SRT	T-F1412	Vitelline Artery of Placenta
0445	Ved	LN	11653-3	End Diastolic Velocity										SRT	T-F1412	Vitelline Artery of Placenta
0446	Vm_peak	LN	11692-1	Time averaged peak velocity										SRT	T-F1412	Vitelline Artery of Placenta
0447	Vm_mean	LN	20352-1	Time averaged mean velocity										SRT	T-F1412	Vitelline Artery of Placenta
0448	Vp	LN	11726-7	Peak Systolic Velocity										SRT	T-F1412	Vitelline Artery of Placenta
0449	PI (Ved)	LN	12008-9	Pulsatility Index										SRT	T-F1412	Vitelline Artery of Placenta
0450	RI (Ved)	LN	12023-8	Resistivity Index										SRT	T-F1412	Vitelline Artery of Placenta
0451	PI (Vmin)	LN	12008-9	Pulsatility Index										SRT	T-F1412	Vitelline Artery of Placenta
0452	RI (Vmin)	LN	12023-8	Resistivity Index										SRT	T-F1412	Vitelline Artery of Placenta
0453	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio										SRT	T-F1412	Vitelline Artery of Placenta
0455	Vmin	LN	11665-7	Minimum Diastolic Velocity							SRT	G-A101	Left	SRT	T-46600	Renal Artery
0456	Ved	LN	11653-3	End Diastolic Velocity							SRT	G-A101	Left	SRT	T-46600	Renal Artery
0457	Vm_peak	LN	11692-1	Time averaged peak velocity							SRT	G-A101	Left	SRT	T-46600	Renal Artery
0458	Vm_mean	LN	20352-1	Time averaged mean velocity							SRT	G-A101	Left	SRT	T-46600	Renal Artery
0459	Vp	LN	11726-7	Peak Systolic Velocity							SRT	G-A101	Left	SRT	T-46600	Renal Artery
0460	PI (Ved)	LN	12008-9	Pulsatility Index							SRT	G-A101	Left	SRT	T-46600	Renal Artery
0461	RI (Ved)	LN	12023-8	Resistivity Index							SRT	G-A101	Left	SRT	T-46600	Renal Artery

Meas.No.	Meas. Label	Measurement Code			$Equation			$Derivation			$Laterality			$Anatomy Group		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
0462	PI (Vmin)	LN	12008-9	Pulsatility Index							SRT	G-A101	Left	SRT	T-46600	Renal Artery
0463	RI (Vmin)	LN	12023-8	Resistivity Index							SRT	G-A101	Left	SRT	T-46600	Renal Artery
0464	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio							SRT	G-A101	Left	SRT	T-46600	Renal Artery
0466	Vmin	LN	11665-7	Minimum Diastolic Velocity							SRT	G-A100	Right	SRT	T-46600	Renal Artery
0467	Ved	LN	11653-3	End Diastolic Velocity							SRT	G-A100	Right	SRT	T-46600	Renal Artery
0468	Vm_peak	LN	11692-1	Time averaged peak velocity							SRT	G-A100	Right	SRT	T-46600	Renal Artery
0469	Vm_mean	LN	20352-1	Time averaged mean velocity							SRT	G-A100	Right	SRT	T-46600	Renal Artery
0470	Vp	LN	11726-7	Peak Systolic Velocity							SRT	G-A100	Right	SRT	T-46600	Renal Artery
0471	PI (Ved)	LN	12008-9	Pulsatility Index							SRT	G-A100	Right	SRT	T-46600	Renal Artery
0472	RI (Ved)	LN	12023-8	Resistivity Index							SRT	G-A100	Right	SRT	T-46600	Renal Artery
0473	PI (Vmin)	LN	12008-9	Pulsatility Index							SRT	G-A100	Right	SRT	T-46600	Renal Artery
0474	RI (Vmin)	LN	12023-8	Resistivity Index							SRT	G-A100	Right	SRT	T-46600	Renal Artery
0475	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio							SRT	G-A100	Right	SRT	T-46600	Renal Artery
0477	FHR	LN	11948-7	Fetal Heart Rate												
0483	S (DV with Vel Trace)	LN	11726-7	Peak Systolic Velocity										TSBus	03350005	Ductus Venosus
0485	D (DV with Vel Trace)	LN	11653-3	End Diastolic Velocity										TSBus	03350005	Ductus Venosus
0487	a (DV with Vel Trace)	TSBus	03350006	Peak velocity during atrial contraction										TSBus	03350005	Ductus Venosus
0478	Vm_peak	LN	11692-1	Time averaged peak velocity										TSBus	03350005	Ductus Venosus
0484	S (DV)	LN	11726-7	Peak Systolic Velocity										TSBus	03350005	Ductus Venosus
0486	D (DV)	LN	11653-3	End Diastolic Velocity										TSBus	03350005	Ductus Venosus
0488	a (DV)	TSBus	03350006	Peak velocity during atrial contraction										TSBus	03350005	Ductus Venosus
0479	PIV	TSBus	03350007	PIV=(S-a)/Vm_peak												
0480	PVIV	TSBus	03350008	PVIV=(S-a)/D												
0481	a/S	TSBus	03350009	a/S												
0482	S/a	TSBus	0335000A	S/a												

Table 8.1-54
SOP COMMON MODULE OF CREATED ENHANCED SR SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Specific Character Set	(0008,0005)	CS	See Section 6	ALWAYS	AUTO
Instance Creation Date	(0008,0012)	DA		ALWAYS	AUTO
Instance Creation Time	(0008,0013)	TM		ALWAYS	AUTO
Instance Creator UID	(0008,0014)	UI	1.2.392.200036.9116	ALWAYS	AUTO
SOP Class UID	(0008,0016)	UI	1.2.840.10008.5.1.4.1.1.88.22	ALWAYS	AUTO
SOP Instance UID	(0008,0018)	UI		ALWAYS	AUTO

Table 8.1-55
SOP COMMON MODULE OF CREATED COMPREHENSIVE SR SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Specific Character Set	(0008,0005)	CS	See Section 6	ALWAYS	AUTO
Instance Creation Date	(0008,0012)	DA		ALWAYS	AUTO
Instance Creation Time	(0008,0013)	TM		ALWAYS	AUTO
Instance Creator UID	(0008,0014)	UI	1.2.392.200036.9116	ALWAYS	AUTO
SOP Class UID	(0008,0016)	UI	1.2.840.10008.5.1.4.1.1.88.33	ALWAYS	AUTO
SOP Instance UID	(0008,0018)	UI		ALWAYS	AUTO

8.1.2 Usage of Attributes from received IOD's

No SOP Class specific fields are required.

8.1.3 Attribute Mapping

The tables below show the relationships between attributes received via Modality Worklist, stored in acquired images and communicated via MPPS.

The cell content conventions should be read as follows:

Copy:	The value will be copied from a corresponding source attribute of another DICOM object, as defiend by the table column.
Copy from: <DICOM attribute>:	The source as specified in the referenced DICOM attribute will be used instead of using the DICOM attribute of the same row as the source.
Equal (internally generated):	The value will be internally generated which may be used in more than one DICOM object.

Table 8.1-56
SCHEDULED CASE - ATTRIBUTE MAPPING BETWEEN MODALITY WORKLIST, IMAGE AND MPPS

Attribute Name	Tag	Modality Worklist	Image IOD		MPPS IOD	
Study Instance UID	(0020,000D)	Source	Copy		Scheduled Step Attributes Sequence (0040,0270)	Copy
Referenced Study Sequence	(0008,1110)	Source	Copy			Copy
Accession Number	(0008,0050)	Source	Copy			Copy
Requested Procedure ID	(0040,1001)	Source	Request Attributes Sequence (0040,0275)	Copy		Copy
Requested Procedure Description	(0032,1060)	Source		Copy		Copy
Scheduled Procedure Step ID	(0040,0009)	Source		Copy		Copy
Scheduled Procedure Step Description	(0040,0007)	Source		Copy		Copy
Scheduled Protocol Code Sequence	(0040,0008)	Source		Copy		Copy
Performed Protocol Code Sequence	(0040,0260)	-	Copy from: Scheduled Protocol Code Sequence (0040,0008).		Copy from: Scheduled Protocol Code Sequence (0040,0008).	
Study ID	(0020,0010)	-	Copy from: Requested Procedure ID (0040,1001).		Copy from: Requested Procedure ID (0040,1001).	
Study Description	(0008,1030)	Source	Copy		-	
Performed Procedure Step ID	(0040,0253)	-	Equal (internally generated).		Equal (internally generated).	
Performed Procedure Step Start Date	(0040,0244)	-	Equal (internally generated).		Equal (internally generated).	

Performed Procedure Step Start Time	(0040,0245)	-	Equal (internally generated).		Equal (internally generated).	
Performed Procedure Step Description	(0040,0254)	-	Copy from: Study Description (0008,1030), Requesteed Procedure Description (0032,1060) or Scheduled Procedure Step Description (0040,0007). See Table 4.2-44 Notes		Copy from: Study Description (0008,1030), Requesteed Procedure Description (0032,1060) or Scheduled Procedure Step Description (0040,0007). See Table 4.2-44 Notes	
Requested Procedure Code Sequence	(0032,1064)	Value will be used for Procedure Code Sequence as specified below.	-		-	
Procedure Code Sequence	(0008,1032)	-	Copy from: Requested Procedure Code Sequence (0032,1064).		Copy from: Requested Procedure Code Sequence (0032,1064).	
Referenced SOP Class UID	(0008,1150)	-	Referenced PPS Sequence (0008,1111)	1.2.840.10008.3.1.2.3.3	Equal (internally generated). See Notes	
Referenced SOP Instance UID	(0008,1155)	-		Equal to SOP Instance of the associated MPPS.	Equal (internally generated). See Notes	
Scheduled Performing Physician's Name	(0040,0006)	Value will be used for Performing Physician's Name as specified below.	-		-	
Performing Physician's Name	(0008,1050)	-	Copy from: Scheduled Performing Physician's Name (0040,0006).		Performed Series Sequence (0040,0340)	Copy from: Scheduled Performing Physician's Name (0040,0006).
Protocol Name	(0018,1030)	-	Copy from: Study Description (0008,1030).			Copy from: Study Description (0008,1030)..

Notes: In MPPS, SOP Class UID is sent in the Affected SOP Class UID (0000,0002) of the PPS N-CREATE message and in Requested SOP Class UID (0000,0003) for the PPS N-SET message.

In MPPS, SOP Instance UID is sent in the Affected SOP Instance UID (0000,1000) of the PPS N-CREATE message and in Requested SOP Instance UID (0000,1001) for the PPS N-SET message.

Table 8.1-57
UNSCHEDULED CASE - ATTRIBUTE MAPPING BETWEEN IMAGE AND MPPS

Attribute Name	**Tag**	**Image IOD**		**MPPS IOD**	
Study Instance UID	(0020,000D)	Equal (internally generated).		Scheduled Step Attributes Sequence (0040,0270)	Equal (internally generated).
Referenced Study Sequence	(0008,1110)	-			Zero length
Accession Number	(0008,0050)	Zero length			Zero length
Requested Procedure ID	(0040,1001)	Request Attributes Sequence (0040,0275)	-		Zero length
Requested Procedure Description	(0032,1060)				Zero length

Scheduled Procedure Step ID	(0040,0009)				Zero length
Scheduled Procedure Step Description	(0040,0007)				Zero length
Scheduled Protocol Code Sequence	(0040,0008)				Zero length
Performed Protocol Code Sequence	(0040,0260)	-		Zero length	
Study ID	(0020,0010)	Equal (internally generated).		Equal (internally generated).	
Study Description	(0008,1030)	Zero length		-	
Performed Procedure Step ID	(0040,0253)	Equal (internally generated).		Equal (internally generated).	
Performed Procedure Step Start Date	(0040,0244)	Equal (internally generated).		Equal (internally generated).	
Performed Procedure Step Start Time	(0040,0245)	Equal (internally generated).		Equal (internally generated).	
Performed Procedure Step Description	(0040,0254)	Zero length		Zero length	
Requested Procedure Code Sequence	(0032,1064)	-		-	
Procedure Code Sequence	(0008,1032)	-		Zero length	
Referenced SOP Class UID	(0008,1150)	Referenced PPS Sequence (0008,1111)	1.2.840.10008.3.1.2.3.3	Equal (internally generated).	
Referenced SOP Instance UID	(0008,1155)		Equal to SOP Instance of the associated MPPS.	Equal (internally generated).	
Performing Physician's Name	(0008,1050)	Zero length		Performed Series Sequence (0040,0340)	Zero length
Protocol Name	(0018,1030)	Equal (internally generated).			Equal (internally generated).

8.1.4 Coerced/Modified Fields

Not applicable.

8.2 DATA DICTIONARY OF PRIVATE ATTRIBUTES

This product reserves private attribute values in the groups 0029 and 7015.
The private attributes added to created SOP instances or directory records are listed in Table 8.1-13.

8.3 CONTROLLED TERMINOLOGY AND TEMPLATES

Not applicable.

8.4 GRAYSCALE IMAGE CONSISTENCY

Not applicable.

8.5 STANDARD EXTENDED/SPECIALIZED/PRIVATE SOP CLASSES

Not applicable.

8.6 PRIVATE TRANSFER SYNTAXES

Not applicable.